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## Supplementary Materials

# Developing Growth Models of Stand Volume for Subtropical Forests in Karst Areas: A Case Study in the Guizhou Plateau

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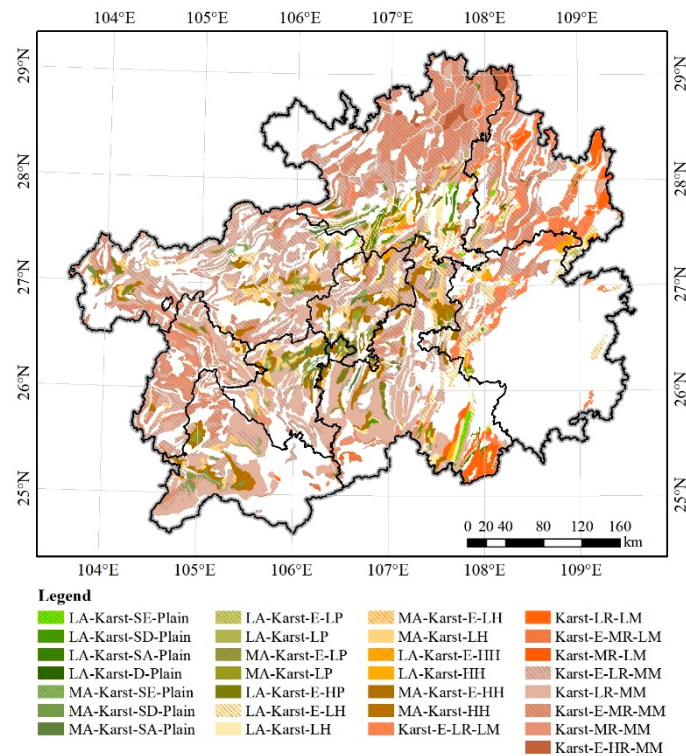
## Part I

**Table S1.** The 36 categorized dominant tree species (groups) and their cover area in Guizhou Plateau.

| No. | Dominant tree species (groups)               |                                                                      | Area<br>(10 <sup>3</sup> ha) | Proportion<br>(%) | Forest type  |
|-----|----------------------------------------------|----------------------------------------------------------------------|------------------------------|-------------------|--------------|
|     | Common name                                  | Scientific name                                                      |                              |                   |              |
| 1   | Fir                                          | <i>Abies fabri</i> (Mast.)<br>Craib                                  | 0.52                         | 0.007             | Coniferous   |
| 2   | Spruce                                       | <i>Picea asperata</i><br>Mast.                                       | 0.63                         | 0.009             | Coniferous   |
| 3   | Chinese yew                                  | <i>Taxus wallichiana</i><br>var. <i>chinensis</i><br>(Pilger) Florin | 3.86                         | 0.05              | Coniferous   |
| 4   | Masson pine                                  | <i>Pinus massoniana</i><br>Lamb.                                     | 1684.39                      | 23.24             | Coniferous   |
| 5   | Huashan pine                                 | <i>Pinus armandii</i><br>Franch.                                     | 157.06                       | 2.17              | Coniferous   |
| 6   | Yunnan pine                                  | <i>Pinus yunnanensis</i><br>Franch.                                  | 173.62                       | 2.40              | Coniferous   |
| 7   | Other pine                                   | <i>Pinus</i> spp.                                                    | 15.49                        | 0.21              | Coniferous   |
| 8   | Keteleeria                                   | <i>Keteleeria fortunei</i><br>(Murr.) Carr.                          | 3.77                         | 0.05              | Coniferous   |
| 9   | Hemlock                                      | <i>Tsuga chinensis</i><br>(Franch.) Pritz.                           | 0.09                         | 0.001             | Coniferous   |
| 10  | Cypress                                      | <i>Cupressus funebris</i><br>Endl.                                   | 323.77                       | 4.47              | Coniferous   |
| 11  | Other cypress                                | <i>Cupressus</i> spp.                                                | 40.18                        | 0.55              | Coniferous   |
| 12  | China fir                                    | <i>Cunninghamia lanceolata</i> (Lamb.)<br>Hook.                      | 1695.29                      | 23.39             | Coniferous   |
| 13  | Cryptomeria                                  | <i>Cryptomeria japonica</i> var.<br><i>sinensis</i>                  | 168.91                       | 2.33              | Coniferous   |
| 14  | Metasequoia                                  | <i>Metasequoia glyptostroboides</i> Hu &<br>W. C. Cheng              | 1.74                         | 0.02              | Coniferous   |
| 15  | Other fir                                    | <i>Cunninghamia</i><br>spp.                                          | 1.34                         | 0.02              | Coniferous   |
| 16  | Other coniferous<br>tree species<br>(groups) | --                                                                   | 1.98                         | 0.03              | Coniferous   |
| 17  | Poplar/aspen                                 | <i>Populus</i> spp.                                                  | 80.10                        | 1.11              | Broad-leaved |
| 18  | Willow                                       | <i>Salix</i> spp.                                                    | 0.82                         | 0.01              | Broad-leaved |
| 19  | Eucalyptus                                   | <i>Eucalyptus</i> spp.                                               | 45.00                        | 0.62              | Broad-leaved |
| 20  | Camphor                                      | <i>Cinnamomum</i> spp.                                               | 9.62                         | 0.13              | Broad-leaved |
| 21  | Phoebe                                       | <i>Phoebe</i> spp.                                                   | 3.10                         | 0.04              | Broad-leaved |
| 22  | Oak                                          | <i>Quercus</i> spp.                                                  | 220.50                       | 3.04              | Broad-leaved |
| 23  | Cyclobalanopsis                              | <i>Cyclobalanopsis</i><br>spp.                                       | 212.38                       | 2.93              | Broad-leaved |
| 24  | Beech                                        | <i>Fagus</i> spp.                                                    | 2.89                         | 0.04              | Broad-leaved |
| 25  | Birch                                        | <i>Betula</i> spp.                                                   | 177.97                       | 2.46              | Broad-leaved |

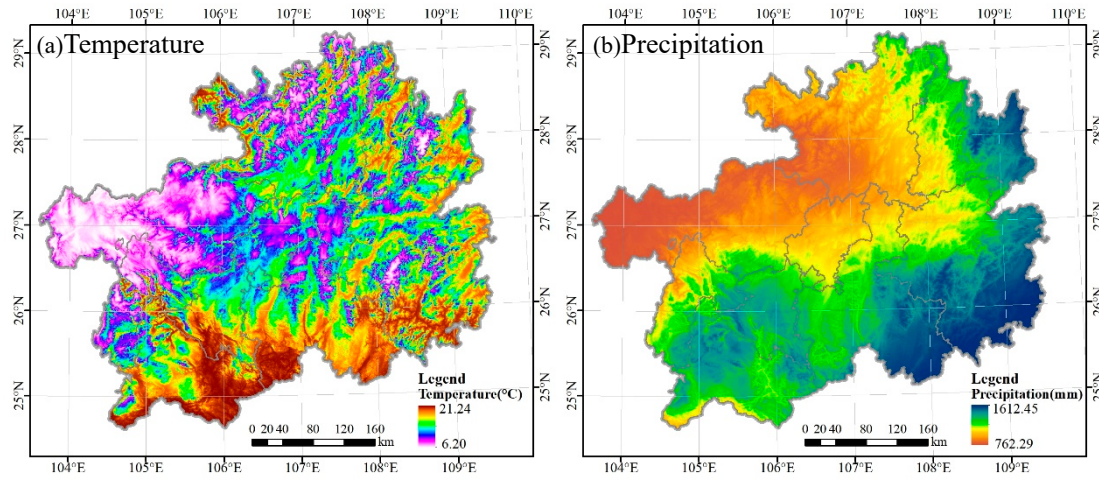
| No. | Dominant tree species (groups)           |                                        | Area<br>(10 <sup>3</sup> ha) | Proportion<br>(%) | Forest type  |
|-----|------------------------------------------|----------------------------------------|------------------------------|-------------------|--------------|
|     | Common name                              | Scientific name                        |                              |                   |              |
| 26  | Basswood                                 | <i>Tilia tuan</i> Szyszyl.             | 0.21                         | 0.003             | Broad-leaved |
| 27  | Locust                                   | <i>Robinia pseudoacacia</i> L.         | 18.78                        | 0.26              | Broad-leaved |
| 28  | Katus                                    | <i>Castanopsis</i> spp.                | 17.34                        | 0.24              | Broad-leaved |
| 29  | Maple                                    | <i>Acer</i> spp.                       | 1.69                         | 0.02              | Broad-leaved |
| 30  | Melia                                    | <i>Melia azedarach</i> L.              | 3.21                         | 0.04              | Broad-leaved |
| 31  | Chinese toon                             | <i>Toona sinensis</i> (A. Juss.) Roem. | 21.27                        | 0.29              | Broad-leaved |
| 32  | Elm                                      | <i>Ulmus</i> spp.                      | 8.70                         | 0.12              | Broad-leaved |
| 33  | Ebony                                    | <i>Dalbergia</i> spp.                  | 0.78                         | 0.01              | Broad-leaved |
| 34  | Firmiana                                 | <i>Firmiana</i> spp.                   | 5.36                         | 0.07              | Broad-leaved |
| 35  | Other broad-leaved tree species (groups) | --                                     | 1666.48                      | 23.06             | Broad-leaved |
| 36  | Broad-leaved mixed tree species (groups) | --                                     | 474.21                       | 6.54              | Broad-leaved |
| 37  | Total                                    | --                                     | 0.52                         | 100               | --           |

Note: When the proportions were less than 0.01, accurate to 3 decimal places.

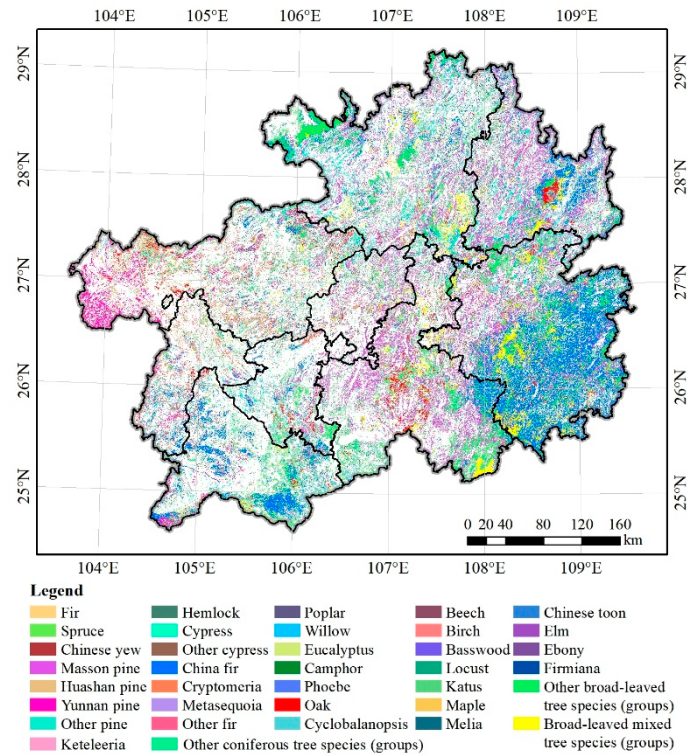


**Figure S1.** Spatial distribution of karst landform and geomorphology in Guizhou Plateau. The spatial data and geomorphologic classification system came from the 1:1,000,000 digital geomorphologic database of China [1]. The meaning of the acronyms in the legend were list as follow: LA = Low altitude, MA = Middle altitude; SE = Solutional erosional, SD = Solutional depositional, SA = Solutional alluvial, D = Depositional,

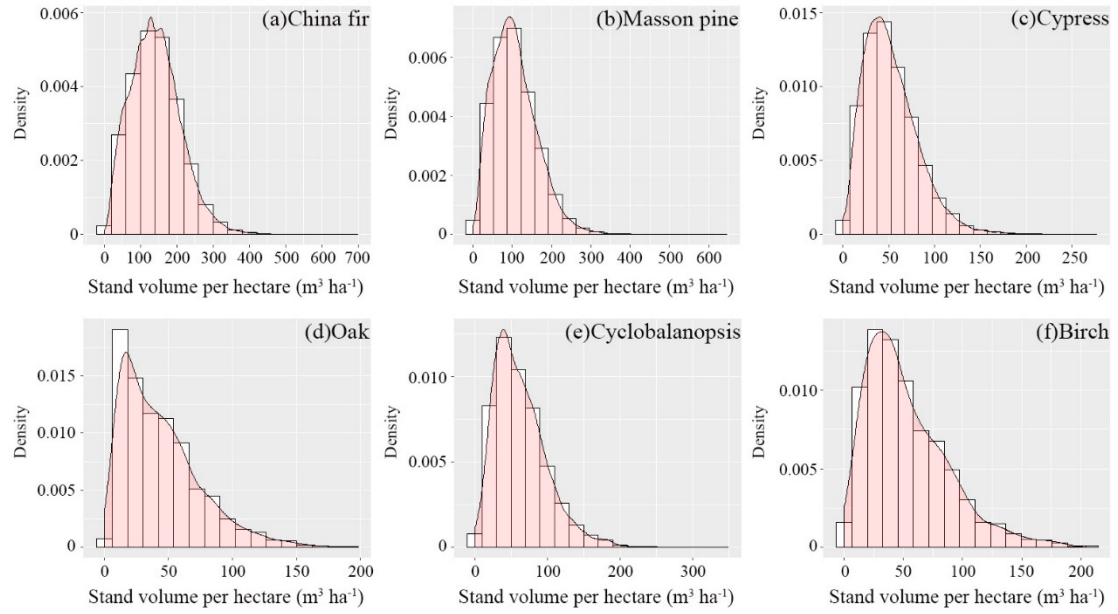
E = Erosional; LP = Low platform, HP = High platform; LH = Low hill, HH = High hill; LR = Low relief, MR = Middle relief, HR = High relief; LM = Low mountains, MM = Middle mountains.



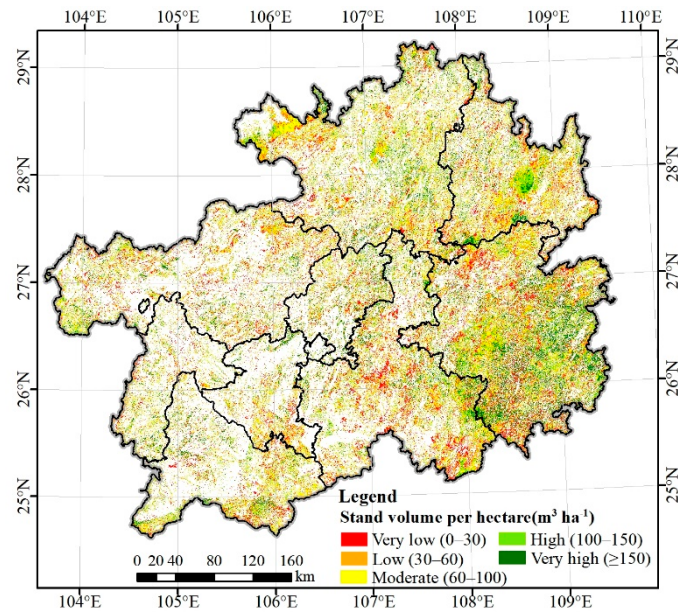
**Figure S2.** Spatial distribution of mean annual temperature and precipitation in Guizhou Plateau from 1990 to 2016



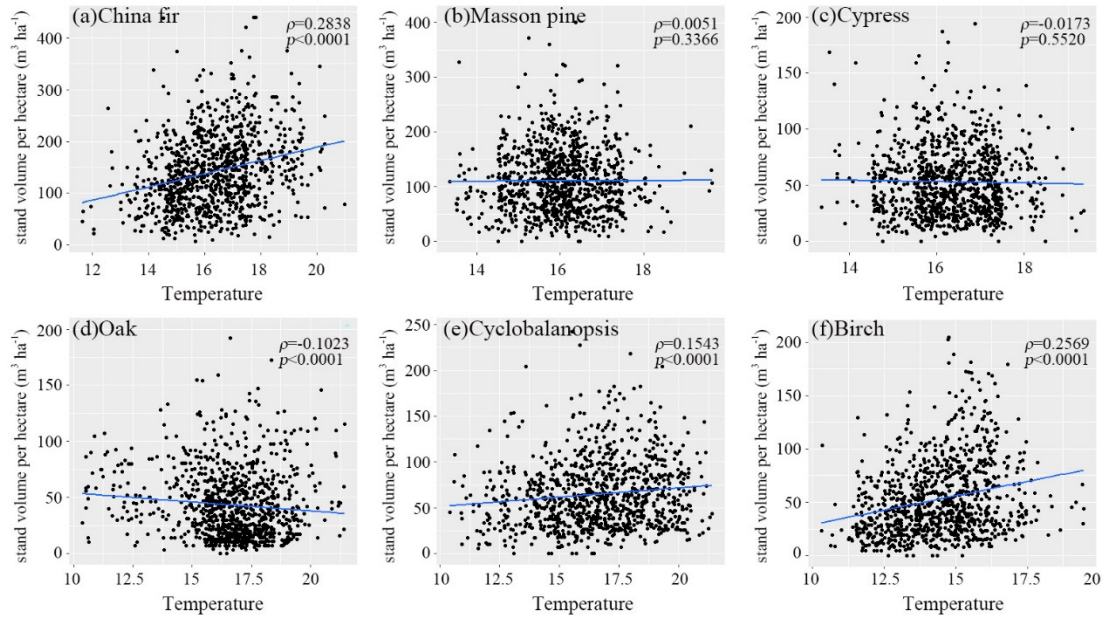
**Figure S3.** Spatial distribution of dominant tree species (groups) in Guizhou Plateau



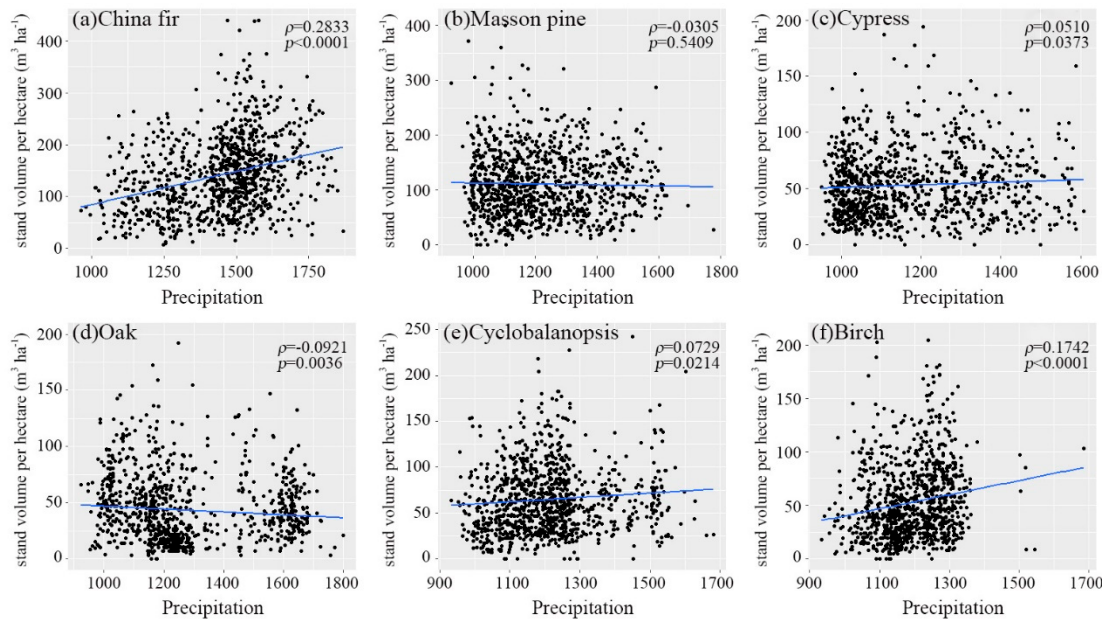
**Figure S4.** Probability distribution of stand volume of the six selected dominant tree species (groups) in Guizhou Plateau in 2016



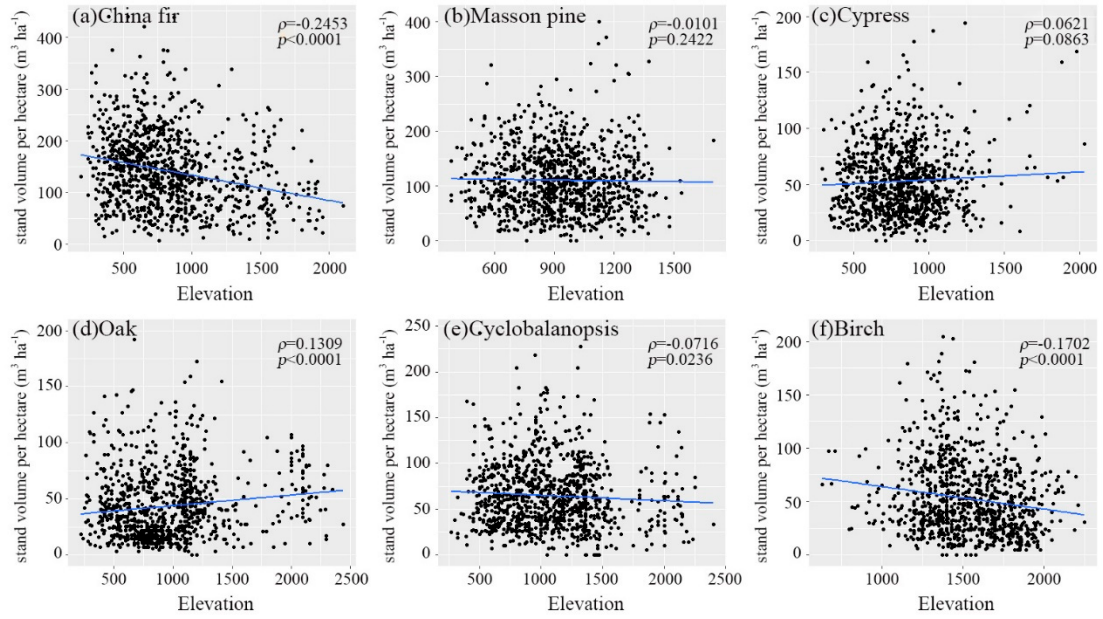
**Figure S5.** Spatial distribution of forest stand volume in Guizhou Plateau



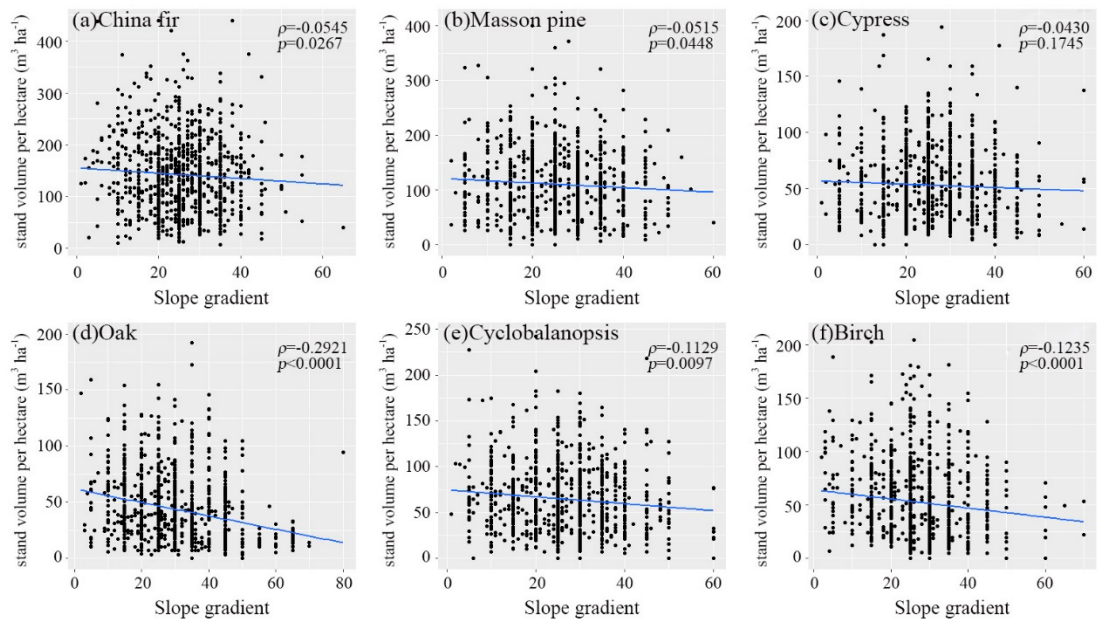
**Figure S6.** Correlation between stand volume of the six selected dominant tree species (groups) and annual temperature.  $\rho$  is the value of Spearman rank correlation coefficient.



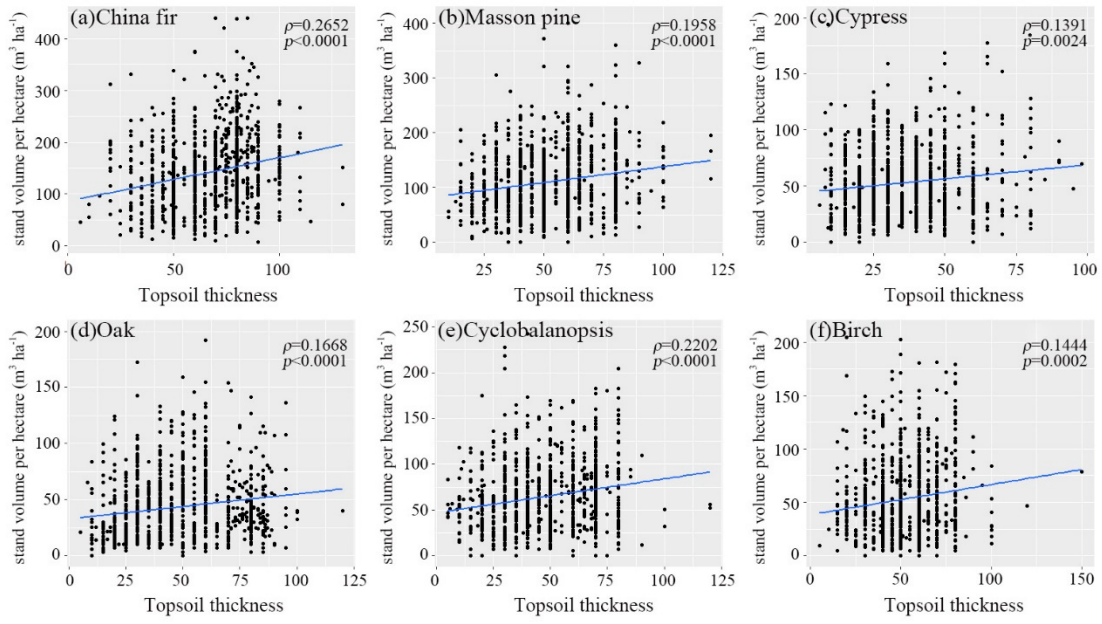
**Figure S7.** Correlation between stand volume of the six selected dominant tree species (groups) and annual precipitation.  $\rho$  is the value of Spearman rank correlation coefficient.



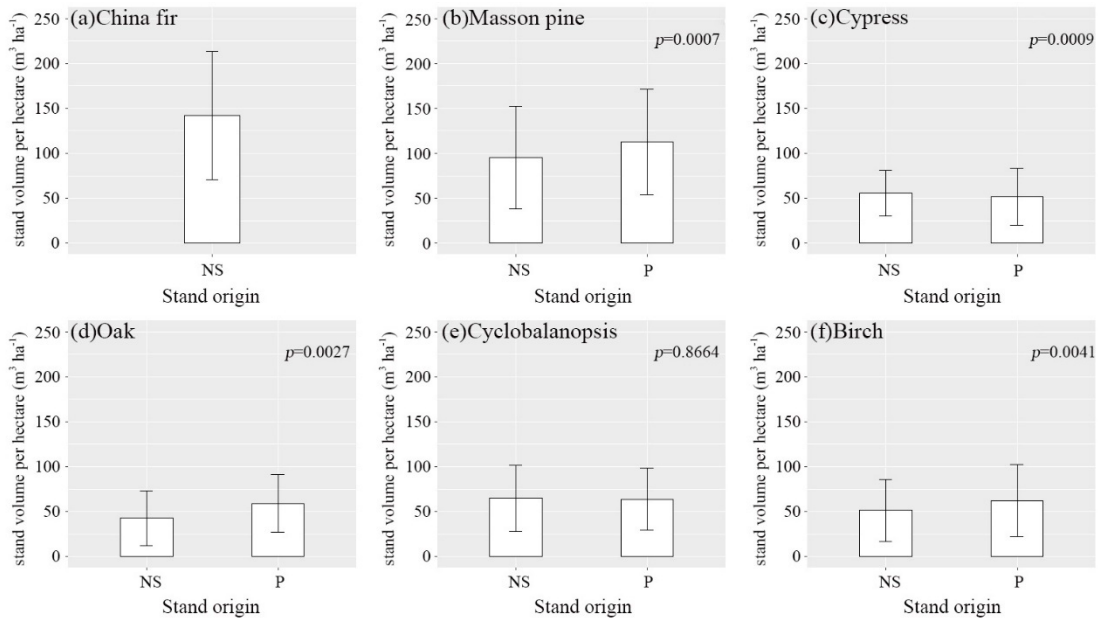
**Figure S8.** Correlation between stand volume of the six selected dominant tree species (groups) and elevation.  $\rho$  is the value of Spearman rank correlation coefficient.



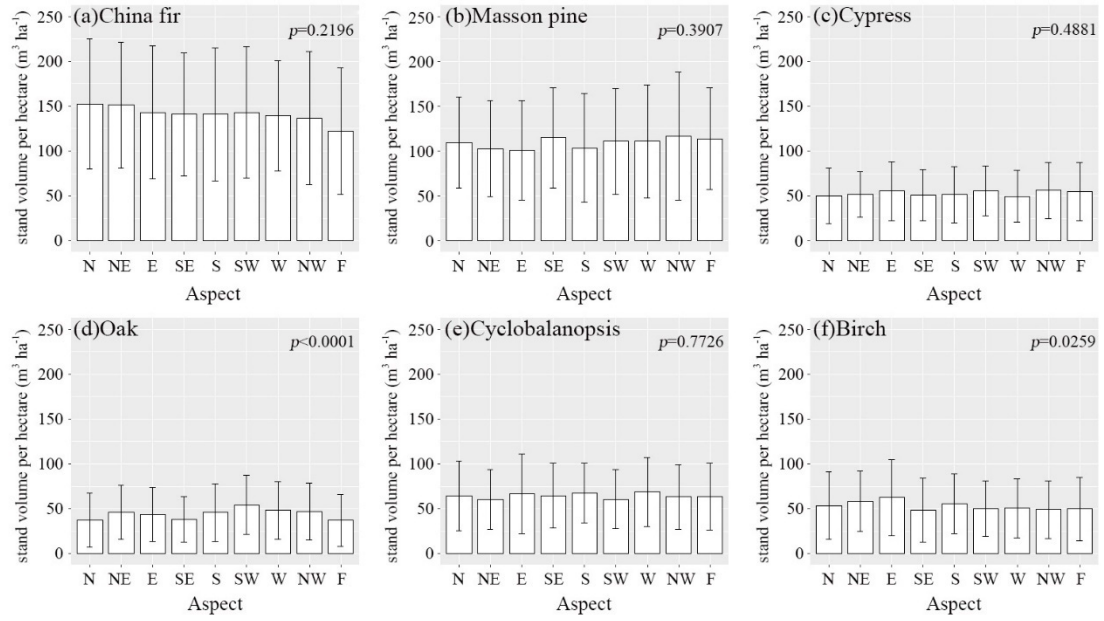
**Figure S9.** Correlation between stand volume of the six selected dominant tree species (groups) and slope gradient.  $\rho$  is the value of Spearman rank correlation coefficient.



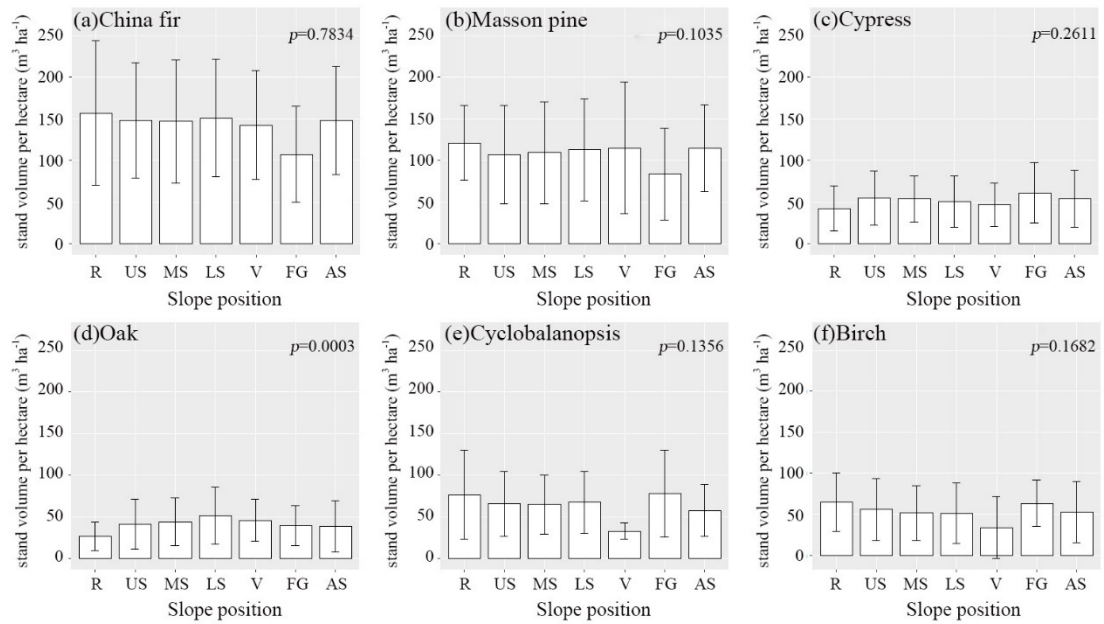
**Figure S10.** Correlation between stand volume of the six selected dominant tree species (groups) and topsoil thickness.  $\rho$  is the value of Spearman rank correlation coefficient.



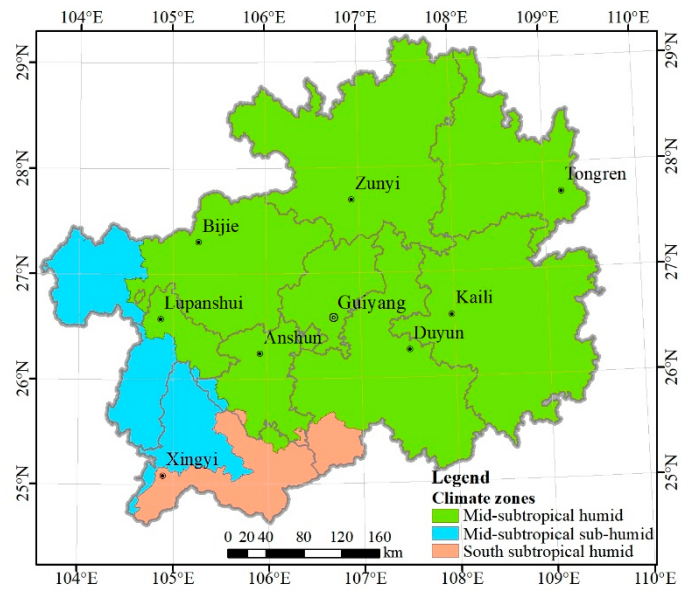
**Figure S11.** Comparison between different stand origin types in stand volume of the six selected dominant tree species (groups). The NS and P in the horizontal axis denotes the natural stand and plantation, respectively. The random sample of China fir didn't include the plantation.



**Figure S12.** Comparison between different aspects in stand volume of the six selected dominant tree species (groups). The N, NE, E, SE, S, SW, W, NW, and F in the horizontal axis denotes the aspects of north, northeast, east, southeast, south, southwest, west, northwest, and flat, respectively.



**Figure S13.** Comparison between different slope positions in stand volume of the six selected dominant tree species (groups). The R, US, MS, LS, V, FG, and AS in the horizontal axis denotes the ridge, upper slope, middle slope, lower slope, valley, flat ground, and all slope, respectively.



**Figure S14.** Spatial distribution of the climate zones of Guizhou Plateau

## Part II

### Detailed calculation method of the site quality degree and rocky desertification degree

(1) The site quality degree of a stand was evaluated according to the topography, soil and other natural environmental factors, and relevant management conditions closely related to the forest vegetation growth. Six factors, including the topsoil thickness, soil type, slope gradient, aspect, slope position and traffic location, and analytic hierarchy process (AHP) method were used in the calculation:

$$SQD = \sum_{i=1}^n V_i W_i \quad (1)$$

where  $SQD$  is the score value of site quality degree, ranging from 0 to 10;  $V_i$  is the score value of the  $i$ th factor, ranging from 0 to 10, the scoring criteria see Table S2;  $W_i$  is the weight of the  $i$ th factor, see Table S3;  $n$  is the total number of factors, equal to 6. The  $SQD$  was then categorized into the five level of site quality degree: degree I ( $SQD \leq 2$ ), degree II ( $2 < SQD \leq 4$ ), degree III ( $4 < SQD \leq 6$ ), degree IV ( $6 < SQD \leq 8$ ) and degree V ( $8 < SQD \leq 10$ )[2].

(2) The rocky desertification degree of a stand was evaluated according to the bedrock exposure degree, vegetation type, vegetation coverage and topsoil thickness:

$$RDD = \sum_{i=1}^n V_i \quad (2)$$

where  $RDD$  is the score value of rocky desertification degree, ranging from 0 to 100;  $V_i$  is the score value of the  $i$ th factor, ranging from 0 to 10, the scoring criteria see Table S4–S7;  $n$  is the total number of factors, equal to 4. The  $RDD$  was then categorized into the four level of rocky desertification degree: Slight ( $RDD \leq 45$ ), moderate ( $45 < RDD \leq 60$ ), severe ( $60 < RDD \leq 75$ ), and extremely severe ( $75 < RDD \leq 100$ ) [3].

**Table S2.** Score value of each factor in the evaluation of site quality degree

| <b>Score value</b>       | <b>0–2</b>                                                                                                                           | <b>3–4</b>                                                                                                                                            | <b>5–6</b>                                                                                                                                                                         | <b>7–8</b>                                                                                                                                                                                                                                                                                                   | <b>9–10</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Factor</b>            |                                                                                                                                      |                                                                                                                                                       |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Topsoil thickness (cm)   | >100                                                                                                                                 | 51–100                                                                                                                                                | 31–50                                                                                                                                                                              | 16–30                                                                                                                                                                                                                                                                                                        | ≤ 15                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Soil type                | Black soil;<br>Brown coniferous forest soil;<br>Brown earth;<br>Chernozem;<br>Dark felty soil;<br>Cinnamon soil;<br>Dark-brown earth | Dark loessial soil; Fluvo-aquic soil;<br>Grey forest soil; Grey-cinnamon soil; Meadow soil; Torrid red soil;<br>Yellow earth;<br>Yellow-cinnamon soil | Bleach Spodosol;<br>Castanozem;<br>Castano-cinnamon soil;<br>Cultivated loessial soil;<br>Humid-thermo ferralitic;<br>Lateritic red earth;<br>Volcanic soil;<br>Yellow-brown earth | Acid sulphate soil; Aeolian sandy soil;<br>Alluvial soil;<br>Bog soil;<br>Frigid calcic soil; Gray desery soil;<br>Irrigated desert soil;<br>Lime concretion black soil;<br>Limestone soil; Paddy soil; Peat soil;<br>Podzolic soil;<br>Purplish soil; Red earth;<br>Sierozem;<br>Skeletol soil;<br>Solonetz | Albic soil;<br>Brown desert soil; Brown pedocal; Coastal solonchak; Cold brown calcic soil; Cold calcic soil; Cold desert soil; Cumulated irrigated soil;<br>Desert solonchak; Felty soil; Frigid desert soil;<br>Frigid frozen soil; Frigid plateau solonchak;<br>Gray-brown desert soil; Litho soil; Meadow solonchak;<br>Mountain meadow soil;<br>Phospho-calcic soil; Red clay soil; Shrubby meadow soil;<br>Takyr<br>Very steep slope; Extremely steep slope |
| Slope gradient (Classes) | Flat                                                                                                                                 | Slight slope                                                                                                                                          | Moderate slope                                                                                                                                                                     | Steep slope                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Aspect                   | Flat                                                                                                                                 | North                                                                                                                                                 | Northeast;<br>Northwest;<br>East                                                                                                                                                   | Southeast;<br>Southwest;<br>West                                                                                                                                                                                                                                                                             | South                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Slope position           | Flat ground;<br>All slope                                                                                                            | Valley; Lower slope                                                                                                                                   | Middle slope                                                                                                                                                                       | Upper slope                                                                                                                                                                                                                                                                                                  | Ridge                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Traffic location         | 1                                                                                                                                    | 2                                                                                                                                                     | 3                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                                                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**Table S3.** Weight value of each factor in the evaluation of site quality degree

| <b>Factor</b> | <b>Topsoil thickness</b> | <b>Soil type</b> | <b>Slope gradient</b> | <b>Aspect</b> | <b>Slope position</b> | <b>Traffic location</b> |
|---------------|--------------------------|------------------|-----------------------|---------------|-----------------------|-------------------------|
| Weight        | 0.3                      | 0.2              | 0.2                   | 0.1           | 0.1                   | 0.1                     |

**Table S4.** Score value of the bedrock exposure degree in the evaluation of rocky desertification degree

| Degree      | 30%–39% | 40%–49% | 50%–59% | 60%–69% | ≥70% |
|-------------|---------|---------|---------|---------|------|
| Score value | 20      | 26      | 32      | 38      | 44   |

**Table S5.** Score value of the vegetation type in the evaluation of rocky desertification degree

| Type        | Arbor-shrub-grass | Arbor-shrub | Arbor | Shrub | Grass | Rainfed crop | Lichen | No vegetation |
|-------------|-------------------|-------------|-------|-------|-------|--------------|--------|---------------|
| Score value | 5                 | 5           | 5     | 8     | 12    | 16           | 20     | 20            |

**Table S6.** Score value of the vegetation coverage in the evaluation of rocky desertification degree

| Coverage    | 50%–69% | 30%–49% | 20%–29% | 10%–19% | <10% |
|-------------|---------|---------|---------|---------|------|
| Score value | 5       | 8       | 14      | 20      | 26   |

Note: The calculation of vegetation coverage involves all the aboveground vegetation, including the arbor, shrub, grass and lichen, and the value is not supposed to exceed 100%. The vegetation coverage of rainfed crop is set between 30–49%.

**Table S7.** Score value of the topsoil thickness in the evaluation of rocky desertification degree

| Thickness   | >40 | 20–39 | 10–19 | ≤ 15 |
|-------------|-----|-------|-------|------|
| Score value | 1   | 3     | 6     | 10   |

## References

1. Cheng, W.; Zhou, C.; Chai, H.; Zhao, S.; Liu, H.; Zhou, Z. Research and compilation of the geomorphologic atlas of the People's Republic of China (1:1,000,000). *J. Geogr. Sci.* **2011**, *21*, 89-100.
2. National Forestry Administration. *Technical Regulations for Defining Forest Land Border in Forest Land Planning on Protection and Utilization*; Beijing, China, 2011 (In Chinese).
3. Guizhou Forestry Bureau. *Detailed Rules for the Implementation of Fourth Forest Resources Planning and Design Survey of Guizhou Province*; Guiyang, China, 2015 (In Chinese).

## Part III

**Table S8.** Parameters and model statistics of the 959 stand volume growth equations according to different combination of dominant tree species (groups), climate zone, site quality degree, stand origin and rocky desertification type in the Guizhou Plateau. In the header,  $a$ ,  $b$ ,  $c$  is the model parameters,  $R^2$ ,  $RMSE$ ,  $TRE$  and  $P$  is the coefficient of determination, total relative error, root mean square error and prediction accuracy of modeling samples, respectively;  $N$  is the sample size for modeling;  $V\_RMSE$  is the root mean square error of validation samples. In the table, MSH, MSSH and SSH denote the climate zones of mid-subtropical humid, mid-subtropical subhumid, and south subtropical humid, respectively; II to V denote the site quality degrees of II to V, respectively; P and NS denote the plantation and natural stand, respectively; RD, NRD, and PRD denote the type of rocky desertification, nonrocky desertification, and potential rocky desertification, respectively; and \* denotes the involvement of all the classes within that factor.

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | $a$    | $b$    | $c$     | $R^2$  | $RMSE$ | $TRE(\%)$ | $P(\%)$ | $N$  | $V\_RMSE$ |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|--------|--------|---------|--------|--------|-----------|---------|------|-----------|
| 1   | Fir                            | MSH          | *                   | *            | *                          | 56.96  | 0.0416 | -0.9822 | 0.3622 | 14.09  | 0.05      | 90.50   | 44   | 17.03     |
| 2   | Fir                            | MSSH         | *                   | *            | *                          | 75.00  | 0.1510 | 0.6982  | 0.3464 | 18.95  | 2.94      | 89.47   | 29   | 19.96     |
| 3   | Spruce                         | MSH          | *                   | *            | *                          | 72.28  | 0.0488 | -0.2211 | 0.3541 | 15.51  | 0.02      | 89.41   | 33   | 16.88     |
| 4   | Spruce                         | MSSH & SSH   | *                   | *            | *                          | 241.00 | 0.0355 | 0.4392  | 0.3397 | 35.88  | 2.69      | 74.21   | 18   | 33.06     |
| 5   | Chinese yew                    | MSH          | II & III            | P            | *                          | 156.50 | 0.0453 | 0.5956  | 0.5634 | 39.81  | 1.10      | 60.19   | 16   | 19.58     |
| 6   | Chinese yew                    | MSH          | III                 | NS           | *                          | 157.70 | 0.0106 | 0.1715  | 0.8872 | 19.93  | 13.28     | 66.22   | 8    | 7.52      |
| 7   | Chinese yew                    | MSH          | IV                  | *            | *                          | 43.64  | 0.1210 | -0.1419 | 0.3254 | 31.06  | 2.14      | 52.50   | 11   | 9.25      |
| 8   | Chinese yew                    | MSSH & SSH   | *                   | *            | *                          | 243.00 | 0.0782 | 0.6922  | 0.8794 | 16.30  | 2.44      | 84.08   | 9    | 7.48      |
| 9   | Masson pine                    | MSH          | II                  | P            | NRD                        | 224.40 | 0.0401 | 0.3831  | 0.7538 | 18.25  | 0.02      | 99.43   | 2287 | 17.05     |
| 10  | Masson pine                    | MSH          | II                  | P            | PRD                        | 332.50 | 0.0019 | -1.5340 | 0.5287 | 18.32  | 0.55      | 98.27   | 354  | 16.23     |
| 11  | Masson pine                    | MSH          | II                  | P            | RD                         | 295.00 | 0.0317 | 0.5046  | 0.6868 | 22.34  | 1.57      | 94.58   | 76   | 17.01     |
| 12  | Masson pine                    | MSH          | II                  | NS           | NRD                        | 274.50 | 0.0262 | 0.3134  | 0.6412 | 21.34  | 0.13      | 97.46   | 233  | 21.71     |
| 13  | Masson pine                    | MSH          | II                  | NS           | PRD                        | 84.54  | 0.3984 | 0.9968  | 0.4093 | 19.38  | 0.56      | 95.43   | 93   | 20.60     |
| 14  | Masson pine                    | MSH          | II                  | NS           | RD                         | 210.00 | 0.0561 | 0.6769  | 0.7174 | 18.90  | 4.32      | 53.79   | 6    | 8.90      |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 15  | Masson pine                    | MSH          | III                 | P            | NRD                        | 144.40   | 0.0730   | 0.5244   | 0.8356                | 11.22       | 0.05           | 99.89        | 33,151   | 11.13                              |
| 16  | Masson pine                    | MSH          | III                 | P            | PRD                        | 145.00   | 0.0548   | 0.3215   | 0.7883                | 12.04       | 0.13           | 99.70        | 6571     | 12.21                              |
| 17  | Masson pine                    | MSH          | III                 | P            | RD                         | 299.70   | 0.0206   | 0.2522   | 0.7414                | 16.43       | 1.08           | 98.92        | 1091     | 16.57                              |
| 18  | Masson pine                    | MSH          | III                 | NS           | NRD                        | 144.50   | 0.0430   | 0.1969   | 0.7245                | 12.01       | 0.06           | 99.65        | 4456     | 11.95                              |
| 19  | Masson pine                    | MSH          | III                 | NS           | PRD                        | 169.10   | 0.0310   | 0.0626   | 0.7806                | 10.38       | 0.04           | 99.46        | 1745     | 10.97                              |
| 20  | Masson pine                    | MSH          | III                 | NS           | RD                         | 84.77    | 0.2361   | 0.8839   | 0.3101                | 18.94       | 0.27           | 96.29        | 137      | 22.39                              |
| 21  | Masson pine                    | MSH          | IV                  | P            | NRD                        | 140.80   | 0.0562   | 0.3849   | 0.826                 | 10.35       | 0.09           | 99.82        | 14,717   | 10.55                              |
| 22  | Masson pine                    | MSH          | IV                  | P            | PRD                        | 328.70   | 0.0101   | -0.1076  | 0.7973                | 10.94       | 0.15           | 99.63        | 4388     | 10.83                              |
| 23  | Masson pine                    | MSH          | IV                  | P            | RD                         | 210.00   | 0.0038   | -1.5280  | 0.3836                | 20.76       | 0.46           | 98.11        | 653      | 20.98                              |
| 24  | Masson pine                    | MSH          | IV                  | NS           | NRD                        | 119.80   | 0.0635   | 0.3384   | 0.5482                | 15.15       | 0.08           | 99.47        | 3275     | 14.97                              |
| 25  | Masson pine                    | MSH          | IV                  | NS           | PRD                        | 185.60   | 0.0270   | 0.0542   | 0.7505                | 13.55       | 0.07           | 98.97        | 1045     | 12.82                              |
| 26  | Masson pine                    | MSH          | IV                  | NS           | RD                         | 136.00   | 0.0311   | 0.0204   | 0.5978                | 16.41       | 0.13           | 96.32        | 144      | 16.28                              |
| 27  | Masson pine                    | MSH          | V                   | P            | NRD                        | 171.10   | 0.0378   | 0.3368   | 0.6806                | 14.61       | 0.00           | 98.56        | 687      | 15.38                              |
| 28  | Masson pine                    | MSH          | V                   | P            | PRD                        | 188.70   | 0.0442   | 0.5470   | 0.8171                | 13.08       | 0.27           | 98.61        | 525      | 13.12                              |
| 29  | Masson pine                    | MSH          | V                   | P            | RD                         | 64.26    | 0.3071   | 0.9682   | 0.4067                | 16.64       | 0.35           | 93.93        | 72       | 16.44                              |
| 30  | Masson pine                    | MSH          | V                   | NS           | NRD                        | 372.50   | 0.0130   | 0.1359   | 0.5029                | 24.53       | 0.11           | 96.87        | 268      | 22.07                              |
| 31  | Masson pine                    | MSH          | V                   | NS           | PRD                        | 100.60   | 0.0928   | 0.5522   | 0.4826                | 21.27       | 0.09           | 95.62        | 136      | 20.08                              |
| 32  | Masson pine                    | MSH          | V                   | NS           | RD                         | 350.00   | 0.0214   | 0.5375   | 0.6026                | 17.80       | 0.66           | 87.42        | 36       | 9.66                               |
| 33  | Masson pine                    | MSSH         | II                  | *            | *                          | 644.90   | 0.0271   | 0.5983   | 0.6671                | 39.64       | 6.95           | 74.43        | 18       | 19.23                              |
| 34  | Masson pine                    | MSSH         | III                 | P            | NRD                        | 309.50   | 0.0164   | 0.0529   | 0.431                 | 33.03       | 5.72           | 89.91        | 109      | 37.90                              |
| 35  | Masson pine                    | MSSH         | III                 | P            | PRD                        | 73.46    | 0.1727   | 0.8091   | 0.3303                | 23.20       | 0.21           | 93.44        | 127      | 26.56                              |
| 36  | Masson pine                    | MSSH         | III                 | NS           | NRD                        | 400.00   | 0.0164   | 0.2696   | 0.9394                | 11.08       | 0.49           | 83.18        | 8        | 17.15                              |
| 37  | Masson pine                    | MSSH         | III                 | NS           | PRD                        | 363.50   | 0.0094   | 0.1756   | 0.4745                | 18.08       | 1.35           | 73.57        | 14       | 8.74                               |
| 38  | Masson pine                    | MSSH         | III                 | *            | RD                         | 92.00    | 0.0604   | 0.4569   | 0.6861                | 12.11       | 0.86           | 74.79        | 9        | 16.70                              |
| 39  | Masson pine                    | MSSH         | IV                  | P            | NRD                        | 70.81    | 0.9760   | -0.9669  | 0.3212                | 23.10       | 0.06           | 93.09        | 67       | 19.97                              |
| 40  | Masson pine                    | MSSH         | IV                  | P            | PRD & RD                   | 125.00   | 0.0345   | 0.2341   | 0.4328                | 16.92       | 0.33           | 91.03        | 60       | 14.92                              |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 41  | Masson pine                    | MSSH         | IV                  | NS           | *                          | 120.00   | 0.1113   | 0.8460   | 0.3969                | 28.65       | 2.64           | 67.20        | 17       | 17.85          |
| 42  | Masson pine                    | MSSH         | V                   | *            | *                          | 108.60   | 0.1301   | 0.8460   | 0.9181                | 5.05        | 0.05           | 85.70        | 8        | 1.76           |
| 43  | Masson pine                    | SSH          | II                  | P            | NRD                        | 103.00   | 0.3365   | 0.9468   | 0.6142                | 25.11       | 0.28           | 83.28        | 14       | 20.77          |
| 44  | Masson pine                    | SSH          | III                 | P            | NRD                        | 109.20   | 0.1482   | 0.6920   | 0.8328                | 11.37       | 0.12           | 98.48        | 427      | 9.93           |
| 45  | Masson pine                    | SSH          | III                 | P            | PRD                        | 310.00   | 0.0379   | 0.4193   | 0.4382                | 25.94       | 8.98           | 93.39        | 98       | 26.16          |
| 46  | Masson pine                    | SSH          | III                 | P            | RD                         | 105.00   | 0.0451   | -0.1637  | 0.6971                | 9.04        | 0.51           | 95.22        | 33       | 7.16           |
| 47  | Masson pine                    | SSH          | III                 | NS           | NRD                        | 372.50   | 0.0220   | 0.2553   | 0.6333                | 27.54       | 0.61           | 88.09        | 26       | 32.37          |
| 48  | Masson pine                    | SSH          | III                 | NS           | PRD & RD                   | 47.83    | 0.2423   | 0.8601   | 0.4633                | 15.17       | 0.25           | 75.57        | 12       | 14.08          |
| 49  | Masson pine                    | SSH          | IV                  | P            | NRD                        | 113.20   | 0.1541   | 0.6746   | 0.7765                | 13.90       | 0.01           | 98.33        | 309      | 12.81          |
| 50  | Masson pine                    | SSH          | IV                  | P            | PRD                        | 74.73    | 0.8369   | 0.9810   | 0.3145                | 28.85       | 0.03           | 94.68        | 192      | 23.53          |
| 51  | Masson pine                    | SSH          | IV                  | P            | RD                         | 112.30   | 0.5632   | 0.9166   | 0.4598                | 12.87       | 0.04           | 98.46        | 201      | 12.95          |
| 52  | Masson pine                    | SSH          | IV                  | NS           | *                          | 55.42    | 0.2942   | 0.8576   | 0.4304                | 21.90       | 0.24           | 77.81        | 16       | 13.07          |
| 53  | Masson pine                    | SSH          | V                   | *            | *                          | 157.50   | 0.0135   | -0.9167  | 0.3966                | 39.30       | 2.54           | 58.81        | 11       | 31.52          |
| 54  | Huashan pine                   | MSH          | II                  | P            | NRD                        | 150.20   | 0.0790   | 0.3644   | 0.4005                | 29.20       | 0.02           | 95.62        | 83       | 30.41          |
| 55  | Huashan pine                   | MSH          | II                  | P            | PRD & RD                   | 78.52    | 0.2137   | 0.9166   | 0.4501                | 25.65       | 0.69           | 84.05        | 26       | 13.07          |
| 56  | Huashan pine                   | MSH          | II                  | NS           | NRD                        | 182.40   | 0.1061   | 0.8890   | 0.734                 | 27.07       | 1.04           | 77.74        | 12       | 30.70          |
| 57  | Huashan pine                   | MSH          | III                 | P            | NRD                        | 290.00   | 0.0169   | 0.2357   | 0.6553                | 17.51       | 3.05           | 98.93        | 1053     | 17.59          |
| 58  | Huashan pine                   | MSH          | III                 | P            | PRD                        | 167.50   | 0.0281   | 0.0009   | 0.6151                | 16.06       | 0.49           | 98.71        | 734      | 16.66          |
| 59  | Huashan pine                   | MSH          | III                 | P            | RD                         | 97.42    | 0.1562   | 0.9098   | 0.4912                | 26.63       | 0.50           | 94.74        | 203      | 26.38          |
| 60  | Huashan pine                   | MSH          | III                 | NS           | NRD                        | 56.48    | 0.1920   | 0.8816   | 0.441                 | 9.27        | 0.13           | 97.36        | 141      | 10.95          |
| 61  | Huashan pine                   | MSH          | III                 | NS           | PRD                        | 85.00    | 0.1129   | 0.6329   | 0.3811                | 22.33       | 1.59           | 86.84        | 25       | 27.72          |
| 62  | Huashan pine                   | MSH          | III                 | NS           | RD                         | 59.07    | 0.3452   | 0.9619   | 0.9167                | 6.94        | 0.11           | 73.09        | 6        | 7.76           |
| 63  | Huashan pine                   | MSH          | IV                  | P            | NRD                        | 270.00   | 0.0182   | 0.2489   | 0.6849                | 19.64       | 0.86           | 97.81        | 489      | 21.88          |
| 64  | Huashan pine                   | MSH          | IV                  | P            | PRD                        | 140.30   | 0.0522   | 0.3810   | 0.6964                | 14.30       | 2.04           | 98.79        | 815      | 15.99          |
| 65  | Huashan pine                   | MSH          | IV                  | P            | RD                         | 72.91    | 0.1919   | 0.8531   | 0.4187                | 22.56       | 0.99           | 94.08        | 104      | 27.62          |
| 66  | Huashan pine                   | MSH          | IV                  | NS           | NRD                        | 145.00   | 0.0270   | 0.2213   | 0.5092                | 15.43       | 0.42           | 95.14        | 87       | 14.50          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 67  | Huashan pine                   | MSH          | IV                  | NS           | PRD                        | 260.00   | 0.0150   | 0.0443   | 0.4363                | 28.19       | 1.34           | 86.90        | 44       | 24.52          |
| 68  | Huashan pine                   | MSH          | IV                  | NS           | RD                         | 111.90   | 0.0332   | 0.5457   | 0.569                 | 8.81        | 4.74           | 74.82        | 11       | 9.75           |
| 69  | Huashan pine                   | MSH          | V                   | P            | NRD                        | 84.29    | 0.1080   | 0.7271   | 0.3579                | 33.10       | 3.13           | 83.32        | 43       | 16.77          |
| 70  | Huashan pine                   | MSH          | V                   | P            | PRD                        | 170.00   | 0.0471   | 0.5176   | 0.5075                | 23.66       | 2.08           | 80.02        | 18       | 26.66          |
| 71  | Huashan pine                   | MSH          | V                   | P            | RD                         | 75.01    | 0.1196   | 0.8476   | 0.5813                | 21.98       | 1.18           | 58.83        | 9        | 26.27          |
| 72  | Huashan pine                   | MSH          | V                   | NS           | *                          | 56.76    | 0.0670   | 0.1749   | 0.354                 | 16.24       | 4.08           | 62.54        | 9        | 23.03          |
| 73  | Huashan pine                   | MSSH         | II                  | P            | NRD                        | 142.50   | 0.1300   | 0.4648   | 0.4428                | 32.33       | 0.34           | 79.13        | 12       | 30.85          |
| 74  | Huashan pine                   | MSSH         | II                  | P            | PRD                        | 186.50   | 0.0900   | 0.7193   | 0.7428                | 27.81       | 0.20           | 89.63        | 16       | 12.18          |
| 75  | Huashan pine                   | MSSH         | III                 | P            | NRD                        | 154.50   | 0.0410   | 0.3564   | 0.5598                | 19.11       | 1.57           | 97.60        | 415      | 17.37          |
| 76  | Huashan pine                   | MSSH         | III                 | P            | PRD                        | 170.00   | 0.0530   | 0.5855   | 0.6373                | 19.73       | 3.16           | 98.63        | 1318     | 20.00          |
| 77  | Huashan pine                   | MSSH         | III                 | P            | RD                         | 62.50    | 0.1548   | 0.8501   | 0.5019                | 14.50       | 0.77           | 93.67        | 94       | 15.60          |
| 78  | Huashan pine                   | MSSH         | III                 | NS           | PRD                        | 123.90   | 0.4154   | 0.9903   | 0.4406                | 33.58       | 4.17           | 80.54        | 28       | 27.30          |
| 79  | Huashan pine                   | MSSH         | III                 | NS           | RD                         | 49.68    | 0.1467   | -1.1320  | 0.9316                | 5.25        | 0.00           | 79.56        | 6        | 6.76           |
| 80  | Huashan pine                   | MSSH         | IV                  | P            | NRD                        | 126.40   | 0.0419   | 0.3016   | 0.6349                | 13.45       | 0.42           | 97.29        | 225      | 12.94          |
| 81  | Huashan pine                   | MSSH         | IV                  | P            | PRD                        | 165.00   | 0.0261   | 0.0545   | 0.4864                | 15.81       | 1.47           | 98.85        | 1257     | 15.83          |
| 82  | Huashan pine                   | MSSH         | IV                  | P            | RD                         | 73.33    | 0.0544   | 0.5308   | 0.5282                | 10.53       | 0.35           | 93.91        | 81       | 7.46           |
| 83  | Huashan pine                   | MSSH         | IV                  | NS           | *                          | 210.00   | 0.0870   | 0.6807   | 0.3519                | 27.34       | 2.51           | 83.87        | 25       | 31.50          |
| 84  | Huashan pine                   | MSSH         | V                   | P            | PRD                        | 82.00    | 0.1259   | 0.7567   | 0.3318                | 27.09       | 1.70           | 76.10        | 22       | 12.97          |
| 85  | Huashan pine                   | MSSH         | V                   | P            | RD                         | 72.67    | 0.0521   | 0.4827   | 0.8297                | 7.22        | 1.37           | 77.46        | 7        | 9.29           |
| 86  | Huashan pine                   | MSSH         | V                   | *            | NRD                        | 120.00   | 0.0609   | 0.5322   | 0.923                 | 8.23        | 3.04           | 82.06        | 7        | 5.37           |
| 87  | Huashan pine                   | SSH          | II & III            | *            | NRD                        | 84.67    | 0.1331   | 0.7376   | 0.5521                | 11.19       | 0.09           | 97.93        | 157      | 10.52          |
| 88  | Huashan pine                   | SSH          | III                 | P            | PRD & RD                   | 125.00   | 0.0334   | -0.1045  | 0.4215                | 24.16       | 1.20           | 89.84        | 34       | 26.07          |
| 89  | Huashan pine                   | SSH          | IV                  | P            | PRD & RD                   | 145.00   | 0.0436   | 0.4773   | 0.5822                | 13.91       | 1.16           | 95.33        | 76       | 12.64          |
| 90  | Huashan pine                   | SSH          | IV                  | *            | NRD                        | 82.31    | 0.1123   | 0.7075   | 0.7318                | 7.60        | 0.10           | 97.87        | 100      | 9.72           |
| 91  | Huashan pine                   | SSH          | V                   | P            | NRD                        | 100.00   | 0.0638   | 0.3277   | 0.4101                | 23.89       | 1.25           | 86.10        | 28       | 14.21          |
| 92  | Huashan pine                   | SSH          | V                   | P            | PRD                        | 65.06    | 0.7841   | 0.9985   | 0.7024                | 14.28       | 0.21           | 85.81        | 14       | 19.48          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 93  | Yunnan pine                    | MSH          | II                  | P            | *                          | 107.50   | 0.1639   | 0.7924   | 0.6167                | 27.65       | 1.84           | 83.60        | 15       | 28.00          |
| 94  | Yunnan pine                    | MSH          | II                  | NS           | *                          | 110.70   | 0.0187   | -0.7959  | 0.3442                | 19.93       | 1.82           | 79.80        | 15       | 23.95          |
| 95  | Yunnan pine                    | MSH          | III                 | P            | NRD                        | 369.00   | 0.0010   | -1.0910  | 0.3314                | 17.29       | 0.77           | 95.78        | 125      | 20.63          |
| 96  | Yunnan pine                    | MSH          | III                 | P            | PRD                        | 64.00    | 0.1473   | 0.6227   | 0.3711                | 12.86       | 0.02           | 95.88        | 89       | 10.69          |
| 97  | Yunnan pine                    | MSH          | III                 | P            | RD                         | 90.45    | 0.4922   | 0.9993   | 0.6469                | 12.86       | 0.28           | 95.29        | 34       | 12.94          |
| 98  | Yunnan pine                    | MSH          | III                 | NS           | NRD                        | 62.98    | 0.4672   | 0.9808   | 0.4988                | 11.55       | 0.84           | 94.85        | 45       | 12.35          |
| 99  | Yunnan pine                    | MSH          | III                 | NS           | PRD                        | 257.50   | 0.0061   | -0.3762  | 0.3536                | 18.82       | 0.81           | 94.85        | 116      | 17.80          |
| 100 | Yunnan pine                    | MSH          | III                 | NS           | RD                         | 69.85    | 0.1111   | -1.6450  | 0.6024                | 15.99       | 0.89           | 81.58        | 10       | 13.70          |
| 101 | Yunnan pine                    | MSH          | IV                  | P            | NRD                        | 135.00   | 0.0125   | -0.9995  | 0.3051                | 35.15       | 0.79           | 89.53        | 72       | 28.47          |
| 102 | Yunnan pine                    | MSH          | IV                  | P            | PRD                        | 315.00   | 0.0019   | -0.7093  | 0.4447                | 15.10       | 0.72           | 95.39        | 126      | 13.36          |
| 103 | Yunnan pine                    | MSH          | IV                  | P            | RD                         | 210.00   | 0.0140   | -0.1521  | 0.4644                | 19.06       | 0.38           | 92.08        | 43       | 15.00          |
| 104 | Yunnan pine                    | MSH          | IV                  | NS           | NRD                        | 81.40    | 0.1341   | -1.2960  | 0.3252                | 29.77       | 2.39           | 89.52        | 43       | 29.24          |
| 105 | Yunnan pine                    | MSH          | IV                  | NS           | PRD                        | 70.00    | 0.1272   | 0.5526   | 0.3664                | 13.85       | 2.89           | 96.18        | 103      | 13.57          |
| 106 | Yunnan pine                    | MSH          | IV                  | NS           | RD                         | 53.00    | 0.3574   | 0.9869   | 0.5011                | 9.89        | 0.12           | 95.19        | 55       | 12.09          |
| 107 | Yunnan pine                    | MSH          | V                   | *            | *                          | 335.00   | 0.0193   | 0.3750   | 0.6195                | 18.28       | 1.17           | 80.13        | 15       | 12.99          |
| 108 | Yunnan pine                    | MSSH         | II                  | P            | NRD                        | 137.30   | 0.0282   | -0.9122  | 0.4493                | 30.64       | 0.06           | 89.37        | 33       | 24.65          |
| 109 | Yunnan pine                    | MSSH         | II                  | P            | PRD                        | 129.60   | 0.0458   | 0.0837   | 0.5146                | 17.16       | 0.35           | 94.11        | 37       | 21.56          |
| 110 | Yunnan pine                    | MSSH         | II                  | NS           | *                          | 100.80   | 0.4589   | 0.9980   | 0.3243                | 31.17       | 0.08           | 75.46        | 16       | 16.38          |
| 111 | Yunnan pine                    | MSSH         | III                 | P            | NRD                        | 106.50   | 0.0204   | -1.5250  | 0.3714                | 11.02       | 0.01           | 98.86        | 502      | 11.31          |
| 112 | Yunnan pine                    | MSSH         | III                 | P            | PRD                        | 217.20   | 0.0114   | -0.2413  | 0.5858                | 11.10       | 0.00           | 98.70        | 352      | 11.34          |
| 113 | Yunnan pine                    | MSSH         | III                 | P            | RD                         | 119.50   | 0.0400   | 0.4904   | 0.3829                | 17.32       | 1.24           | 93.59        | 66       | 14.17          |
| 114 | Yunnan pine                    | MSSH         | III                 | NS           | NRD                        | 490.00   | 0.0099   | 0.0941   | 0.6933                | 21.81       | 0.40           | 95.13        | 80       | 26.45          |
| 115 | Yunnan pine                    | MSSH         | III                 | NS           | PRD                        | 94.10    | 0.1132   | 0.7545   | 0.5619                | 13.13       | 0.08           | 99.23        | 1585     | 13.72          |
| 116 | Yunnan pine                    | MSSH         | III                 | NS           | RD                         | 103.70   | 0.0773   | 0.7326   | 0.5532                | 16.54       | 0.20           | 95.36        | 115      | 18.12          |
| 117 | Yunnan pine                    | MSSH         | IV                  | P            | NRD                        | 208.70   | 0.0021   | -1.4770  | 0.3618                | 14.84       | 0.14           | 98.13        | 472      | 14.76          |
| 118 | Yunnan pine                    | MSSH         | IV                  | P            | PRD                        | 78.50    | 0.1251   | 0.6598   | 0.431                 | 12.83       | 0.05           | 98.59        | 485      | 14.77          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 119 | Yunnan pine                    | MSSH         | IV                  | P            | RD                         | 86.33    | 0.0707   | 0.6479   | 0.5746                | 13.33       | 0.74           | 95.27        | 87       | 15.05          |
| 120 | Yunnan pine                    | MSSH         | IV                  | NS           | NRD                        | 372.50   | 0.0227   | 0.3387   | 0.6854                | 26.19       | 0.41           | 85.10        | 20       | 13.11          |
| 121 | Yunnan pine                    | MSSH         | IV                  | NS           | PRD                        | 86.45    | 0.0996   | 0.7045   | 0.5948                | 11.99       | 0.07           | 99.22        | 1514     | 12.40          |
| 122 | Yunnan pine                    | MSSH         | IV                  | NS           | RD                         | 270.00   | 0.0305   | 0.6494   | 0.8284                | 8.59        | 2.68           | 96.60        | 106      | 7.35           |
| 123 | Yunnan pine                    | MSSH         | V                   | P            | NRD                        | 85.82    | 0.3493   | 0.9957   | 0.8995                | 9.64        | 0.08           | 88.11        | 11       | 8.56           |
| 124 | Yunnan pine                    | MSSH         | V                   | P            | PRD                        | 61.11    | 0.2351   | 0.9106   | 0.6333                | 10.11       | 0.02           | 93.75        | 32       | 11.54          |
| 125 | Yunnan pine                    | MSSH         | V                   | P            | RD                         | 210.00   | 0.0107   | 0.0661   | 0.6202                | 13.36       | 2.01           | 73.53        | 11       | 5.11           |
| 126 | Yunnan pine                    | MSSH         | V                   | NS           | PRD                        | 130.00   | 0.0151   | -0.2267  | 0.5163                | 11.39       | 1.03           | 89.83        | 24       | 1.85           |
| 127 | Yunnan pine                    | MSSH         | V                   | NS           | RD                         | 121.00   | 0.0607   | 0.7973   | 0.8913                | 7.27        | 0.09           | 78.80        | 7        | 2.56           |
| 128 | Yunnan pine                    | SSH          | II                  | P            | *                          | 103.60   | 0.2605   | 0.9401   | 0.5474                | 25.20       | 0.49           | 92.24        | 41       | 18.45          |
| 129 | Yunnan pine                    | SSH          | II                  | NS           | NRD                        | 159.00   | 0.0287   | -0.2310  | 0.502                 | 20.32       | 0.57           | 91.76        | 29       | 26.09          |
| 130 | Yunnan pine                    | SSH          | III                 | P            | NRD                        | 96.25    | 0.0914   | 0.1009   | 0.7018                | 10.94       | 0.01           | 98.95        | 599      | 10.35          |
| 131 | Yunnan pine                    | SSH          | III                 | P            | PRD                        | 85.64    | 0.6197   | 0.9510   | 0.3472                | 32.17       | 2.36           | 90.29        | 48       | 36.21          |
| 132 | Yunnan pine                    | SSH          | III                 | P            | RD                         | 92.86    | 0.2506   | 0.6995   | 0.3644                | 37.25       | 0.09           | 81.84        | 24       | 24.87          |
| 133 | Yunnan pine                    | SSH          | III                 | NS           | NRD                        | 87.01    | 0.1938   | 0.8467   | 0.5639                | 17.08       | 0.32           | 96.20        | 122      | 14.46          |
| 134 | Yunnan pine                    | SSH          | III                 | NS           | PRD                        | 77.01    | 0.1452   | 0.8130   | 0.6767                | 15.16       | 0.01           | 81.40        | 10       | 19.68          |
| 135 | Yunnan pine                    | SSH          | III                 | NS           | RD                         | 203.00   | 0.0358   | 0.2007   | 0.6015                | 25.54       | 0.87           | 81.34        | 14       | 15.13          |
| 136 | Yunnan pine                    | SSH          | IV                  | P            | NRD                        | 167.50   | 0.0127   | -0.9905  | 0.3783                | 18.19       | 0.24           | 97.09        | 186      | 16.25          |
| 137 | Yunnan pine                    | SSH          | IV                  | P            | PRD                        | 154.30   | 0.0103   | -2.3110  | 0.4023                | 16.70       | 0.01           | 96.28        | 74       | 19.15          |
| 138 | Yunnan pine                    | SSH          | IV                  | P            | RD                         | 87.36    | 0.0639   | -2.0730  | 0.5528                | 9.29        | 0.14           | 97.49        | 66       | 7.96           |
| 139 | Yunnan pine                    | SSH          | IV                  | NS           | NRD                        | 230.00   | 0.0233   | 0.1123   | 0.5027                | 23.73       | 1.14           | 91.48        | 41       | 29.27          |
| 140 | Yunnan pine                    | SSH          | IV                  | NS           | PRD                        | 83.60    | 0.0079   | -1.9030  | 0.353                 | 24.65       | 0.53           | 68.98        | 14       | 5.17           |
| 141 | Yunnan pine                    | SSH          | IV                  | NS           | RD                         | 88.39    | 0.0946   | 0.2741   | 0.4                   | 24.20       | 0.21           | 86.45        | 21       | 18.98          |
| 142 | Yunnan pine                    | SSH          | V                   | *            | *                          | 91.71    | 0.0070   | -1.9920  | 0.3119                | 15.92       | 0.18           | 87.53        | 24       | 6.00           |
| 143 | Other pine                     | MSH          | II                  | P            | PRD                        | 154.20   | 0.7725   | 0.9998   | 0.9621                | 13.63       | 9.82           | 82.16        | 8        | 15.01          |
| 144 | Other pine                     | MSH          | II                  | P            | RD                         | 190.00   | 0.1381   | 0.8254   | 0.882                 | 8.89        | 1.03           | 74.30        | 7        | 13.12          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 145 | Other pine                     | MSH          | II                  | *            | NRD                        | 266.60   | 0.0579   | 0.5928   | 0.6416                | 37.64       | 0.23           | 88.66        | 36       | 35.28                              |
| 146 | Other pine                     | MSH          | III                 | P            | NRD                        | 107.50   | 0.2347   | 0.8644   | 0.7199                | 16.48       | 0.20           | 97.82        | 291      | 20.64                              |
| 147 | Other pine                     | MSH          | III                 | P            | PRD                        | 97.63    | 0.2212   | 0.8526   | 0.8157                | 10.84       | 0.32           | 96.03        | 80       | 10.99                              |
| 148 | Other pine                     | MSH          | III                 | P            | RD                         | 129.00   | 0.1961   | 0.8843   | 0.6576                | 19.73       | 2.20           | 86.40        | 34       | 14.71                              |
| 149 | Other pine                     | MSH          | III                 | NS           | NRD                        | 144.80   | 0.0986   | 0.6572   | 0.7839                | 15.89       | 0.09           | 95.79        | 55       | 16.25                              |
| 150 | Other pine                     | MSH          | III                 | NS           | PRD                        | 82.32    | 0.1481   | 0.7301   | 0.7559                | 14.12       | 1.76           | 76.18        | 12       | 16.81                              |
| 151 | Other pine                     | MSH          | IV                  | P            | NRD                        | 109.40   | 0.3320   | 0.9724   | 0.6896                | 19.01       | 1.00           | 95.85        | 144      | 19.88                              |
| 152 | Other pine                     | MSH          | IV                  | P            | PRD                        | 92.41    | 0.2336   | 0.9006   | 0.7144                | 10.58       | 0.11           | 97.01        | 121      | 8.28                               |
| 153 | Other pine                     | MSH          | IV                  | P            | RD                         | 87.60    | 0.2389   | 0.8707   | 0.4194                | 31.89       | 0.12           | 74.30        | 25       | 33.14                              |
| 154 | Other pine                     | MSH          | IV                  | NS           | NRD                        | 157.30   | 0.0775   | 0.4905   | 0.3281                | 32.77       | 0.13           | 86.07        | 36       | 26.28                              |
| 155 | Other pine                     | MSH          | IV                  | NS           | PRD & RD                   | 56.61    | 0.2597   | 0.6185   | 0.3919                | 26.34       | 0.02           | 75.08        | 17       | 21.28                              |
| 156 | Other pine                     | MSH          | V                   | *            | *                          | 49.47    | 0.4162   | 0.9851   | 0.6642                | 9.28        | 0.60           | 89.10        | 22       | 6.60                               |
| 157 | Other pine                     | MSSH         | III                 | P            | NRD                        | 75.47    | 0.0214   | -0.7760  | 0.419                 | 20.00       | 0.10           | 84.22        | 35       | 14.00                              |
| 158 | Other pine                     | MSSH         | III                 | P            | PRD                        | 87.25    | 0.4076   | 0.9679   | 0.6771                | 16.75       | 1.27           | 87.01        | 12       | 17.36                              |
| 159 | Other pine                     | MSSH         | III                 | NS           | PRD                        | 73.02    | 0.2093   | 0.8670   | 0.427                 | 33.94       | 1.09           | 66.18        | 13       | 32.95                              |
| 160 | Other pine                     | MSSH         | IV                  | P            | *                          | 74.83    | 0.4755   | 0.9823   | 0.4415                | 32.27       | 1.46           | 83.92        | 31       | 18.46                              |
| 161 | Other pine                     | MSSH         | IV                  | NS           | *                          | 83.13    | 0.1628   | 0.9502   | 0.3711                | 34.95       | 1.06           | 50.97        | 12       | 16.01                              |
| 162 | Other pine                     | SSH          | III                 | *            | *                          | 65.34    | 0.2224   | 0.1577   | 0.3781                | 32.39       | 3.88           | 72.21        | 16       | 26.80                              |
| 163 | Other pine                     | SSH          | IV                  | *            | *                          | 120.20   | 0.0150   | -1.5440  | 0.3684                | 32.79       | 1.94           | 63.58        | 12       | 28.52                              |
| 164 | Other pine                     | SSH          | V                   | *            | *                          | 50.64    | 0.2002   | 0.5876   | 0.9343                | 4.16        | 0.02           | 85.06        | 7        | 0.64                               |
| 165 | Keteleeria                     | MSH          | II & III            | *            | NRD                        | 295.00   | 0.0054   | -0.2065  | 0.8261                | 25.51       | 3.18           | 80.46        | 16       | 5.96                               |
| 166 | Keteleeria                     | MSH          | III                 | P            | PRD                        | 148.80   | 0.0812   | 0.7815   | 0.5317                | 27.68       | 4.54           | 60.88        | 10       | 32.56                              |
| 167 | Keteleeria                     | MSH          | III                 | NS           | PRD                        | 170.00   | 0.0136   | -0.3182  | 0.3211                | 35.17       | 4.42           | 81.86        | 24       | 23.24                              |
| 168 | Keteleeria                     | MSH          | IV                  | P            | *                          | 67.51    | 0.1183   | 0.7950   | 0.3133                | 32.91       | 3.22           | 51.90        | 10       | 6.80                               |
| 169 | Keteleeria                     | MSH          | IV                  | NS           | NRD                        | 419.70   | 0.0171   | 0.2139   | 0.539                 | 36.57       | 1.45           | 82.76        | 27       | 33.89                              |
| 170 | Keteleeria                     | MSH          | IV                  | NS           | PRD & RD                   | 57.51    | 0.1509   | 0.6326   | 0.3944                | 19.00       | 3.56           | 87.30        | 29       | 18.38                              |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 171 | Keteleeria                     | MSSH         | III                 | P            | NRD                        | 107.10   | 0.0963   | 0.6829   | 0.3252                | 39.97       | 4.65           | 74.02        | 16       | 33.21          |
| 172 | Keteleeria                     | MSSH         | III                 | P            | PRD                        | 256.00   | 0.0173   | 0.2040   | 0.3265                | 32.29       | 2.83           | 82.45        | 27       | 29.30          |
| 173 | Keteleeria                     | MSSH         | III                 | P            | RD                         | 94.99    | 0.0239   | -0.3544  | 0.5356                | 17.06       | 2.83           | 65.54        | 7        | 17.32          |
| 174 | Keteleeria                     | MSSH         | III                 | NS           | PRD & RD                   | 57.72    | 0.0821   | 0.5178   | 0.3831                | 14.08       | 0.65           | 91.93        | 52       | 13.74          |
| 175 | Keteleeria                     | MSSH         | IV                  | P            | NRD                        | 160.00   | 0.0166   | -0.1109  | 0.3473                | 21.17       | 2.34           | 89.14        | 33       | 24.46          |
| 176 | Keteleeria                     | MSSH         | IV                  | P            | PRD & RD                   | 51.28    | 0.1365   | -0.3198  | 0.5602                | 10.76       | 0.35           | 88.20        | 16       | 14.84          |
| 177 | Keteleeria                     | MSSH         | IV                  | NS           | PRD                        | 64.80    | 0.1207   | 0.1724   | 0.3412                | 11.98       | 0.82           | 96.30        | 87       | 11.50          |
| 178 | Keteleeria                     | MSSH         | IV                  | NS           | RD                         | 75.00    | 0.0249   | 0.0644   | 0.4115                | 11.00       | 5.04           | 68.83        | 9        | 10.20          |
| 179 | Keteleeria                     | MSSH         | V                   | *            | *                          | 40.51    | 0.8201   | -0.3907  | 0.394                 | 21.17       | 4.22           | 63.17        | 11       | 4.24           |
| 180 | Keteleeria                     | SSH          | III                 | P            | NRD                        | 117.40   | 0.0502   | -1.1160  | 0.3831                | 36.53       | 1.81           | 66.62        | 12       | 38.37          |
| 181 | Keteleeria                     | SSH          | III                 | NS           | NRD                        | 125.00   | 0.1437   | 0.2688   | 0.5166                | 34.48       | 0.11           | 73.02        | 9        | 35.64          |
| 182 | Keteleeria                     | SSH          | IV                  | *            | NRD                        | 102.60   | 0.8483   | -0.5602  | 0.7034                | 18.45       | 0.19           | 88.26        | 12       | 21.02          |
| 183 | Hemlock                        | *            | *                   | *            | *                          | 84.67    | 0.0234   | -0.2014  | 0.5645                | 17.29       | 0.05           | 84.20        | 17       | 23.06          |
| 184 | Cypress                        | MSH          | II                  | P            | NRD                        | 156.40   | 0.0096   | -0.3918  | 0.5451                | 13.91       | 0.23           | 95.91        | 142      | 11.35          |
| 185 | Cypress                        | MSH          | II                  | P            | PRD                        | 50.40    | 0.0779   | -0.9995  | 0.3722                | 11.15       | 0.20           | 96.20        | 131      | 11.09          |
| 186 | Cypress                        | MSH          | II                  | P            | RD                         | 56.64    | 0.0584   | -0.9691  | 0.4676                | 14.78       | 0.13           | 79.81        | 12       | 15.80          |
| 187 | Cypress                        | MSH          | II                  | NS           | NRD                        | 365.00   | 0.0023   | -0.4798  | 0.3298                | 24.53       | 1.60           | 84.95        | 29       | 20.29          |
| 188 | Cypress                        | MSH          | II                  | NS           | PRD                        | 207.50   | 0.0106   | 0.0952   | 0.9236                | 11.74       | 4.41           | 76.38        | 7        | 11.24          |
| 189 | Cypress                        | MSH          | II                  | NS           | RD                         | 83.46    | 0.1222   | 0.8196   | 0.9906                | 3.28        | 0.07           | 90.03        | 6        | 3.67           |
| 190 | Cypress                        | MSH          | III                 | P            | NRD                        | 79.84    | 0.0222   | -0.5989  | 0.3811                | 10.93       | 0.01           | 99.42        | 5146     | 11.45          |
| 191 | Cypress                        | MSH          | III                 | P            | PRD                        | 55.52    | 0.0876   | 0.1005   | 0.3682                | 9.85        | 0.00           | 99.31        | 2955     | 9.74           |
| 192 | Cypress                        | MSH          | III                 | P            | RD                         | 53.30    | 0.2631   | 0.8699   | 0.3882                | 12.39       | 0.07           | 97.49        | 314      | 14.32          |
| 193 | Cypress                        | MSH          | III                 | NS           | NRD                        | 83.47    | 0.0142   | -0.9822  | 0.3993                | 11.95       | 0.36           | 99.12        | 2306     | 11.94          |
| 194 | Cypress                        | MSH          | III                 | NS           | PRD                        | 135.90   | 0.0071   | -0.8827  | 0.338                 | 13.68       | 0.29           | 97.39        | 316      | 13.70          |
| 195 | Cypress                        | MSH          | III                 | NS           | RD                         | 93.88    | 0.0082   | -1.4270  | 0.4441                | 13.03       | 0.28           | 93.26        | 55       | 15.52          |
| 196 | Cypress                        | MSH          | IV                  | P            | NRD                        | 61.81    | 0.0560   | -0.1020  | 0.5084                | 7.82        | 0.04           | 99.59        | 5435     | 7.78           |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 197 | Cypress                        | MSH          | IV                  | P            | PRD                        | 72.25    | 0.0399   | -0.2339  | 0.6399                | 7.27        | 0.01           | 99.56        | 3819     | 7.28           |
| 198 | Cypress                        | MSH          | IV                  | P            | RD                         | 57.84    | 0.1381   | 0.5996   | 0.5828                | 9.49        | 0.06           | 98.54        | 630      | 9.43           |
| 199 | Cypress                        | MSH          | IV                  | NS           | NRD                        | 121.50   | 0.0088   | -0.8077  | 0.3881                | 9.12        | 0.27           | 99.46        | 3028     | 9.33           |
| 200 | Cypress                        | MSH          | IV                  | NS           | PRD                        | 97.10    | 0.0446   | 0.2918   | 0.4775                | 12.25       | 0.91           | 98.71        | 816      | 10.94          |
| 201 | Cypress                        | MSH          | IV                  | NS           | RD                         | 187.50   | 0.0145   | 0.1140   | 0.5519                | 11.58       | 0.42           | 96.63        | 156      | 10.23          |
| 202 | Cypress                        | MSH          | V                   | P            | NRD                        | 122.50   | 0.0102   | -0.5549  | 0.4106                | 11.44       | 0.12           | 98.32        | 728      | 11.15          |
| 203 | Cypress                        | MSH          | V                   | P            | PRD                        | 71.88    | 0.0718   | 0.5568   | 0.6269                | 10.61       | 0.03           | 98.67        | 871      | 11.02          |
| 204 | Cypress                        | MSH          | V                   | P            | RD                         | 42.27    | 0.1401   | 0.6832   | 0.4027                | 9.78        | 0.09           | 95.40        | 130      | 9.32           |
| 205 | Cypress                        | MSH          | V                   | NS           | NRD                        | 200.00   | 0.0060   | -0.4162  | 0.3582                | 12.70       | 1.30           | 98.08        | 499      | 13.52          |
| 206 | Cypress                        | MSH          | V                   | NS           | PRD                        | 56.41    | 0.1437   | 0.8502   | 0.5199                | 11.70       | 0.00           | 95.96        | 111      | 14.97          |
| 207 | Cypress                        | MSH          | V                   | NS           | RD                         | 68.70    | 0.0943   | 0.7475   | 0.4499                | 14.64       | 0.00           | 88.92        | 37       | 12.37          |
| 208 | Cypress                        | MSSH         | II                  | P            | *                          | 177.50   | 0.0426   | 0.4400   | 0.6231                | 22.92       | 0.14           | 71.17        | 12       | 27.11          |
| 209 | Cypress                        | MSSH         | III                 | P            | NRD                        | 81.44    | 0.0502   | -0.1603  | 0.5934                | 10.28       | 0.00           | 97.19        | 153      | 10.78          |
| 210 | Cypress                        | MSSH         | III                 | P            | PRD                        | 382.50   | 0.0110   | 0.2415   | 0.7701                | 10.43       | 0.86           | 90.01        | 27       | 7.73           |
| 211 | Cypress                        | MSSH         | III                 | P            | RD                         | 110.00   | 0.0893   | 0.7820   | 0.6495                | 18.30       | 3.52           | 75.19        | 16       | 14.05          |
| 212 | Cypress                        | MSSH         | III                 | NS           | *                          | 52.67    | 0.2047   | 0.9176   | 0.468                 | 14.04       | 0.29           | 49.26        | 7        | 11.43          |
| 213 | Cypress                        | MSSH         | IV                  | P            | NRD                        | 120.00   | 0.0435   | 0.2424   | 0.5236                | 15.18       | 1.61           | 94.71        | 100      | 12.06          |
| 214 | Cypress                        | MSSH         | IV                  | P            | PRD                        | 122.00   | 0.0460   | 0.3231   | 0.69                  | 15.72       | 0.31           | 93.42        | 71       | 19.65          |
| 215 | Cypress                        | MSSH         | IV                  | P            | RD                         | 44.24    | 0.2286   | 0.7114   | 0.8176                | 6.75        | 0.23           | 74.66        | 6        | 8.85           |
| 216 | Cypress                        | MSSH         | IV                  | NS           | NRD                        | 170.00   | 0.1297   | 0.7469   | 0.7096                | 33.04       | 0.88           | 54.73        | 7        | 36.87          |
| 217 | Cypress                        | MSSH         | IV                  | NS           | PRD                        | 80.00    | 0.0956   | 0.6322   | 0.6778                | 11.06       | 3.16           | 72.65        | 9        | 14.61          |
| 218 | Cypress                        | MSSH         | V                   | P            | NRD                        | 53.19    | 0.0906   | 0.3720   | 0.376                 | 11.28       | 1.57           | 83.78        | 19       | 16.78          |
| 219 | Cypress                        | MSSH         | V                   | P            | PRD & RD                   | 135.50   | 0.0410   | 0.4528   | 0.5341                | 17.10       | 1.84           | 89.07        | 34       | 11.46          |
| 220 | Cypress                        | MSSH         | V                   | NS           | PRD                        | 105.00   | 0.0434   | 0.0476   | 0.4297                | 27.59       | 3.53           | 40.61        | 6        | 25.09          |
| 221 | Cypress                        | SSH          | II                  | NS           | *                          | 90.00    | 0.0802   | 0.6983   | 0.4722                | 24.76       | 9.49           | 42.82        | 7        | 28.03          |
| 222 | Cypress                        | SSH          | III                 | P            | NRD                        | 67.94    | 0.2266   | 0.7684   | 0.44                  | 25.16       | 1.35           | 84.82        | 31       | 20.34          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 223 | Cypress                        | SSH          | III                 | P            | PRD                        | 199.00   | 0.0232   | 0.0082   | 0.4299                | 31.93       | 1.56           | 88.74        | 34       | 30.23          |
| 224 | Cypress                        | SSH          | III                 | P            | RD                         | 64.49    | 0.0296   | -0.2381  | 0.3425                | 11.81       | 1.33           | 79.19        | 19       | 16.85          |
| 225 | Cypress                        | SSH          | III                 | NS           | *                          | 204.20   | 0.6323   | 0.7245   | 0.5238                | 30.45       | 15.06          | 76.59        | 18       | 38.10          |
| 226 | Cypress                        | SSH          | IV                  | P            | NRD                        | 95.05    | 0.1256   | 0.5664   | 0.6536                | 14.79       | 0.13           | 96.74        | 146      | 14.69          |
| 227 | Cypress                        | SSH          | IV                  | P            | PRD                        | 109.50   | 0.1706   | 0.7675   | 0.5863                | 19.59       | 0.58           | 97.86        | 438      | 20.55          |
| 228 | Cypress                        | SSH          | IV                  | P            | RD                         | 145.00   | 0.0391   | 0.3278   | 0.5493                | 18.36       | 3.15           | 89.66        | 58       | 13.12          |
| 229 | Cypress                        | SSH          | IV                  | NS           | NRD & PRD                  | 53.95    | 0.3211   | 0.8979   | 0.4971                | 13.40       | 0.85           | 92.23        | 48       | 5.83           |
| 230 | Cypress                        | SSH          | IV                  | NS           | RD                         | 50.45    | 0.4564   | 0.3109   | 0.9114                | 4.31        | 0.08           | 94.35        | 12       | 4.59           |
| 231 | Cypress                        | SSH          | V                   | P            | NRD                        | 87.49    | 0.0312   | -0.1037  | 0.3106                | 22.92       | 18.74          | 72.60        | 23       | 29.93          |
| 232 | Cypress                        | SSH          | V                   | P            | PRD                        | 73.29    | 0.1194   | 0.4377   | 0.6526                | 10.28       | 0.20           | 97.55        | 278      | 9.98           |
| 233 | Cypress                        | SSH          | V                   | P            | RD                         | 72.49    | 0.0291   | -0.5138  | 0.5031                | 8.89        | 0.92           | 87.20        | 19       | 6.21           |
| 234 | Cypress                        | SSH          | V                   | NS           | *                          | 63.81    | 0.1714   | 0.6303   | 0.576                 | 13.95       | 0.97           | 88.48        | 23       | 11.60          |
| 235 | Other cypress                  | MSH          | II                  | *            | *                          | 63.99    | 0.0582   | -0.1629  | 0.3175                | 26.71       | 4.58           | 77.09        | 26       | 23.21          |
| 236 | Other cypress                  | MSH          | III                 | P            | NRD                        | 105.00   | 0.0258   | 0.0815   | 0.3794                | 14.64       | 1.82           | 96.81        | 409      | 15.55          |
| 237 | Other cypress                  | MSH          | III                 | P            | PRD                        | 126.20   | 0.0104   | -0.5155  | 0.3134                | 19.15       | 2.83           | 93.19        | 117      | 18.76          |
| 238 | Other cypress                  | MSH          | III                 | P            | RD                         | 47.87    | 0.4163   | -0.0865  | 0.3544                | 15.93       | 2.71           | 82.73        | 16       | 17.16          |
| 239 | Other cypress                  | MSH          | III                 | NS           | NRD                        | 77.32    | 0.1651   | 0.8076   | 0.4333                | 12.99       | 0.09           | 95.94        | 98       | 15.17          |
| 240 | Other cypress                  | MSH          | III                 | NS           | PRD & RD                   | 58.49    | 0.0942   | 0.7349   | 0.4071                | 14.67       | 0.52           | 81.08        | 17       | 15.66          |
| 241 | Other cypress                  | MSH          | IV                  | P            | NRD                        | 50.30    | 0.2019   | 0.8767   | 0.6641                | 7.61        | 1.59           | 97.83        | 258      | 11.51          |
| 242 | Other cypress                  | MSH          | IV                  | P            | PRD                        | 36.26    | 0.0941   | 0.1088   | 0.3557                | 10.62       | 0.02           | 96.46        | 298      | 10.97          |
| 243 | Other cypress                  | MSH          | IV                  | P            | RD                         | 85.00    | 0.1089   | 0.7681   | 0.647                 | 17.76       | 0.44           | 79.29        | 21       | 23.94          |
| 244 | Other cypress                  | MSH          | IV                  | NS           | NRD                        | 89.27    | 0.0776   | 0.4503   | 0.3582                | 14.42       | 0.00           | 95.72        | 113      | 12.74          |
| 245 | Other cypress                  | MSH          | IV                  | NS           | PRD                        | 250.50   | 0.0186   | 0.4453   | 0.4469                | 37.48       | 11.79          | 74.10        | 36       | 20.76          |
| 246 | Other cypress                  | MSH          | V                   | P            | NRD                        | 83.98    | 0.1444   | 0.8603   | 0.7316                | 11.83       | 0.15           | 93.26        | 57       | 16.86          |
| 247 | Other cypress                  | MSH          | V                   | P            | PRD                        | 58.45    | 0.0493   | 0.5532   | 0.4334                | 10.64       | 5.04           | 91.02        | 108      | 7.48           |
| 248 | Other cypress                  | MSH          | V                   | P            | RD                         | 40.04    | 0.1129   | -0.0045  | 0.4084                | 16.95       | 1.05           | 51.96        | 6        | 23.25          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 249 | Other cypress                  | MSH          | V                   | NS           | NRD                        | 87.50    | 0.1477   | 0.8836   | 0.4585                | 15.30       | 1.41           | 91.24        | 43       | 14.58          |
| 250 | Other cypress                  | MSH          | V                   | NS           | PRD                        | 100.00   | 0.1159   | 0.8110   | 0.6611                | 18.76       | 9.40           | 70.76        | 10       | 24.74          |
| 251 | Other cypress                  | MSSH         | II                  | *            | *                          | 220.00   | 0.0055   | -1.1760  | 0.4135                | 37.23       | 0.68           | 43.53        | 8        | 27.62          |
| 252 | Other cypress                  | MSSH         | III                 | P            | NRD                        | 186.00   | 0.0052   | -0.7622  | 0.4372                | 13.22       | 0.63           | 96.62        | 204      | 11.27          |
| 253 | Other cypress                  | MSSH         | III                 | P            | RD                         | 113.70   | 0.1273   | 0.9045   | 0.8089                | 14.19       | 1.70           | 90.06        | 27       | 14.70          |
| 254 | Other cypress                  | MSSH         | III                 | *            | PRD                        | 200.00   | 0.0297   | 0.4109   | 0.5729                | 18.09       | 4.23           | 90.33        | 51       | 19.85          |
| 255 | Other cypress                  | MSSH         | IV                  | P            | NRD                        | 119.40   | 0.0339   | 0.0212   | 0.5482                | 12.23       | 0.16           | 96.72        | 171      | 12.73          |
| 256 | Other cypress                  | MSSH         | IV                  | P            | PRD                        | 50.00    | 0.1522   | 0.6693   | 0.3513                | 11.49       | 2.87           | 95.27        | 148      | 14.04          |
| 257 | Other cypress                  | MSSH         | IV                  | P            | RD                         | 85.00    | 0.0640   | 0.3904   | 0.4088                | 25.87       | 0.44           | 71.87        | 15       | 25.29          |
| 258 | Other cypress                  | MSSH         | IV                  | NS           | NRD                        | 152.50   | 0.0062   | -0.1843  | 0.9405                | 1.70        | 0.95           | 85.48        | 6        | 2.36           |
| 259 | Other cypress                  | MSSH         | IV                  | NS           | PRD                        | 81.25    | 0.0233   | 0.1201   | 0.9544                | 1.49        | 0.62           | 87.24        | 6        | 1.72           |
| 260 | Other cypress                  | MSSH         | IV                  | NS           | RD                         | 20.94    | 0.3942   | 0.9518   | 0.9795                | 1.00        | 1.19           | 91.50        | 6        | 0.25           |
| 261 | Other cypress                  | MSSH         | V                   | P            | NRD                        | 104.80   | 0.0617   | 0.5022   | 0.72                  | 15.09       | 0.40           | 81.82        | 14       | 9.97           |
| 262 | Other cypress                  | MSSH         | V                   | *            | PRD & RD                   | 80.93    | 0.1342   | 0.7492   | 0.4149                | 15.85       | 0.22           | 88.82        | 35       | 17.16          |
| 263 | Other cypress                  | SSH          | II                  | *            | *                          | 220.00   | 0.0055   | -1.1760  | 0.4135                | 37.23       | 0.68           | 53.53        | 8        | 27.62          |
| 264 | Other cypress                  | SSH          | III                 | P            | NRD                        | 84.85    | 0.1272   | 0.6458   | 0.4282                | 19.00       | 0.41           | 78.76        | 19       | 8.51           |
| 265 | Other cypress                  | SSH          | III                 | P            | PRD                        | 105.00   | 0.1308   | 0.6922   | 0.5302                | 15.48       | 2.26           | 80.20        | 16       | 10.16          |
| 266 | Other cypress                  | SSH          | III                 | P            | RD                         | 27.80    | 0.1667   | -0.2837  | 0.4132                | 12.94       | 0.75           | 59.87        | 10       | 14.07          |
| 267 | Other cypress                  | SSH          | III                 | NS           | *                          | 165.00   | 0.0836   | 0.7400   | 0.8859                | 4.05        | 0.38           | 89.21        | 11       | 3.66           |
| 268 | Other cypress                  | SSH          | IV                  | P            | NRD                        | 95.00    | 0.1444   | 0.3779   | 0.6813                | 12.37       | 1.52           | 94.51        | 36       | 14.69          |
| 269 | Other cypress                  | SSH          | IV                  | *            | PRD                        | 97.51    | 0.2792   | 0.8869   | 0.4371                | 27.52       | 3.52           | 93.69        | 109      | 29.82          |
| 270 | Other cypress                  | SSH          | IV                  | *            | RD                         | 69.51    | 0.0885   | 0.5886   | 0.4641                | 15.92       | 2.63           | 75.72        | 24       | 20.51          |
| 271 | Other cypress                  | SSH          | V                   | P            | NRD                        | 157.50   | 0.1757   | 0.8289   | 0.9385                | 8.43        | 1.33           | 95.13        | 18       | 10.30          |
| 272 | Other cypress                  | SSH          | V                   | P            | RD                         | 60.31    | 0.1763   | 0.8401   | 0.3575                | 16.55       | 1.82           | 68.86        | 17       | 13.88          |
| 273 | Other cypress                  | SSH          | V                   | *            | PRD                        | 61.36    | 0.1084   | 0.4202   | 0.3529                | 19.33       | 0.08           | 86.29        | 52       | 21.21          |
| 274 | China fir                      | MSH          | II                  | P            | NRD                        | 262.30   | 0.0647   | 0.6240   | 0.8184                | 26.38       | 0.42           | 98.91        | 1663     | 26.25          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 275 | China fir                      | MSH          | II                  | P            | PRD                        | 216.30   | 0.0019   | -1.7490  | 0.3895                | 16.13       | 0.04           | 96.89        | 187      | 18.48          |
| 276 | China fir                      | MSH          | II                  | P            | RD                         | 110.90   | 0.0721   | 0.4226   | 0.3681                | 28.02       | 0.32           | 87.85        | 38       | 17.13          |
| 277 | China fir                      | MSH          | III                 | P            | NRD                        | 210.30   | 0.0657   | 0.5428   | 0.8843                | 15.50       | 0.00           | 99.88        | 45964    | 15.46          |
| 278 | China fir                      | MSH          | III                 | P            | PRD                        | 247.50   | 0.0127   | -0.1862  | 0.6732                | 11.70       | 0.46           | 99.57        | 4684     | 11.98          |
| 279 | China fir                      | MSH          | III                 | P            | RD                         | 132.70   | 0.0570   | 0.2980   | 0.6581                | 14.76       | 0.02           | 98.65        | 595      | 13.94          |
| 280 | China fir                      | MSH          | IV                  | P            | NRD                        | 156.90   | 0.0683   | 0.4665   | 0.8014                | 14.52       | 0.77           | 99.74        | 11892    | 14.71          |
| 281 | China fir                      | MSH          | IV                  | P            | PRD                        | 392.50   | 0.0056   | -0.2493  | 0.6878                | 10.73       | 0.22           | 99.42        | 2524     | 10.84          |
| 282 | China fir                      | MSH          | IV                  | P            | RD                         | 254.00   | 0.0104   | -0.2529  | 0.5716                | 13.31       | 0.17           | 98.15        | 362      | 15.27          |
| 283 | China fir                      | MSH          | V                   | P            | NRD                        | 71.28    | 0.0766   | 0.1892   | 0.4889                | 10.42       | 0.00           | 97.50        | 199      | 11.35          |
| 284 | China fir                      | MSH          | V                   | P            | PRD                        | 457.60   | 0.0059   | -0.0584  | 0.5029                | 17.49       | 0.81           | 94.54        | 99       | 15.71          |
| 285 | China fir                      | MSH          | V                   | P            | RD                         | 106.50   | 0.1227   | 0.7860   | 0.5208                | 25.90       | 0.21           | 86.63        | 34       | 22.35          |
| 286 | China fir                      | MSSH         | II                  | P            | NRD                        | 595.20   | 0.0129   | 0.1471   | 0.5988                | 29.54       | 0.19           | 95.83        | 186      | 22.64          |
| 287 | China fir                      | MSSH         | II                  | P            | PRD                        | 90.63    | 0.1756   | 0.7511   | 0.4306                | 24.04       | 0.02           | 95.68        | 164      | 20.17          |
| 288 | China fir                      | MSSH         | II                  | P            | RD                         | 47.99    | 0.9941   | -0.9920  | 0.9306                | 4.59        | 0.01           | 89.17        | 7        | 3.55           |
| 289 | China fir                      | MSSH         | III                 | P            | NRD                        | 154.40   | 0.0655   | 0.0713   | 0.7671                | 12.71       | 0.01           | 99.68        | 4705     | 12.97          |
| 290 | China fir                      | MSSH         | III                 | P            | PRD                        | 112.80   | 0.1312   | 0.5661   | 0.7277                | 12.24       | 0.03           | 99.43        | 1938     | 11.49          |
| 291 | China fir                      | MSSH         | III                 | P            | RD                         | 112.50   | 0.0159   | -0.9919  | 0.4143                | 14.12       | 0.63           | 96.35        | 136      | 11.58          |
| 292 | China fir                      | MSSH         | IV                  | P            | NRD                        | 171.60   | 0.0252   | -0.5201  | 0.6682                | 13.09       | 0.01           | 99.45        | 2112     | 13.45          |
| 293 | China fir                      | MSSH         | IV                  | P            | PRD                        | 135.00   | 0.0660   | 0.2015   | 0.6767                | 14.92       | 0.06           | 98.93        | 845      | 14.46          |
| 294 | China fir                      | MSSH         | IV                  | P            | RD                         | 164.00   | 0.0621   | 0.4683   | 0.6311                | 21.65       | 1.17           | 89.28        | 28       | 22.52          |
| 295 | China fir                      | MSSH         | V                   | P            | NRD                        | 166.00   | 0.1636   | 0.6847   | 0.515                 | 30.17       | 0.11           | 90.51        | 52       | 37.18          |
| 296 | China fir                      | MSSH         | V                   | P            | PRD & RD                   | 107.30   | 0.0677   | -0.1660  | 0.3129                | 28.70       | 0.03           | 88.88        | 39       | 20.33          |
| 297 | China fir                      | SSH          | II                  | P            | NRD                        | 209.30   | 0.0134   | -1.0070  | 0.3658                | 32.67       | 0.03           | 85.90        | 38       | 37.26          |
| 298 | China fir                      | SSH          | II                  | P            | PRD & RD                   | 133.70   | 0.9540   | -0.9292  | 0.3602                | 31.94       | 0.03           | 84.45        | 17       | 28.36          |
| 299 | China fir                      | SSH          | III                 | P            | NRD                        | 124.00   | 0.4991   | 0.9511   | 0.745                 | 16.85       | 0.01           | 99.62        | 5516     | 16.72          |
| 300 | China fir                      | SSH          | III                 | P            | PRD                        | 124.60   | 0.7625   | 0.9960   | 0.4692                | 26.20       | 0.36           | 97.97        | 372      | 27.73          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 301 | China fir                      | SSH          | III                 | P            | RD                         | 116.50   | 0.3300   | 0.0748   | 0.3112                | 21.83       | 0.23           | 98.29        | 343      | 22.95          |
| 302 | China fir                      | SSH          | IV                  | P            | NRD                        | 122.70   | 0.4000   | 0.9073   | 0.7562                | 15.33       | 0.02           | 99.52        | 2742     | 15.39          |
| 303 | China fir                      | SSH          | IV                  | P            | PRD                        | 158.30   | 0.1358   | 0.5441   | 0.7435                | 19.55       | 0.00           | 97.62        | 194      | 20.23          |
| 304 | China fir                      | SSH          | IV                  | P            | RD                         | 127.90   | 0.3794   | 0.8356   | 0.509                 | 19.14       | 0.01           | 97.98        | 209      | 22.13          |
| 305 | China fir                      | SSH          | V                   | P            | NRD                        | 242.20   | 0.0182   | -0.0364  | 0.3487                | 25.19       | 0.73           | 89.45        | 53       | 21.14          |
| 306 | China fir                      | SSH          | V                   | P            | PRD                        | 170.00   | 0.0138   | -0.5516  | 0.3097                | 26.83       | 0.17           | 89.95        | 51       | 22.19          |
| 307 | China fir                      | SSH          | V                   | P            | RD                         | 92.92    | 0.2020   | 0.4546   | 0.4979                | 26.03       | 0.25           | 79.48        | 11       | 11.29          |
| 308 | Cryptomeria                    | MSH          | II                  | P            | NRD                        | 310.00   | 0.0869   | 0.7661   | 0.3578                | 35.08       | 11.05          | 95.14        | 260      | 38.08          |
| 309 | Cryptomeria                    | MSH          | II                  | P            | PRD                        | 161.30   | 0.1153   | 0.6992   | 0.4471                | 30.20       | 2.20           | 92.93        | 103      | 30.58          |
| 310 | Cryptomeria                    | MSH          | II                  | P            | RD                         | 90.00    | 0.1461   | 0.4517   | 0.3601                | 33.92       | 3.95           | 67.78        | 16       | 31.35          |
| 311 | Cryptomeria                    | MSH          | II                  | NS           | *                          | 71.17    | 0.1796   | 0.8527   | 0.3341                | 25.13       | 0.78           | 57.09        | 9        | 21.54          |
| 312 | Cryptomeria                    | MSH          | III                 | P            | NRD                        | 270.00   | 0.0310   | 0.1163   | 0.5386                | 18.08       | 2.42           | 99.35        | 2681     | 17.55          |
| 313 | Cryptomeria                    | MSH          | III                 | P            | PRD                        | 135.00   | 0.0896   | 0.4188   | 0.4848                | 16.20       | 0.27           | 99.14        | 1648     | 16.97          |
| 314 | Cryptomeria                    | MSH          | III                 | P            | RD                         | 89.30    | 0.3059   | 0.9054   | 0.4693                | 16.53       | 1.43           | 97.00        | 148      | 17.00          |
| 315 | Cryptomeria                    | MSH          | III                 | NS           | NRD                        | 47.72    | 1.5360   | -1.7240  | 0.3965                | 16.55       | 0.08           | 88.94        | 33       | 16.45          |
| 316 | Cryptomeria                    | MSH          | III                 | NS           | PRD                        | 85.77    | 0.2085   | 0.8387   | 0.5738                | 19.24       | 0.85           | 89.54        | 43       | 18.66          |
| 317 | Cryptomeria                    | MSH          | III                 | NS           | RD                         | 51.35    | 0.1509   | 0.7711   | 0.7453                | 8.51        | 0.21           | 65.85        | 7        | 1.83           |
| 318 | Cryptomeria                    | MSH          | IV                  | P            | NRD                        | 157.50   | 0.0697   | 0.3798   | 0.4782                | 17.61       | 0.88           | 99.13        | 1829     | 17.70          |
| 319 | Cryptomeria                    | MSH          | IV                  | P            | PRD                        | 115.60   | 0.1279   | 0.6413   | 0.6131                | 13.56       | 0.32           | 99.10        | 1379     | 13.54          |
| 320 | Cryptomeria                    | MSH          | IV                  | P            | RD                         | 67.08    | 0.2320   | 0.7429   | 0.3511                | 23.18       | 2.26           | 95.50        | 243      | 24.05          |
| 321 | Cryptomeria                    | MSH          | IV                  | NS           | NRD                        | 31.12    | 0.9895   | 0.6272   | 0.3426                | 16.63       | 0.00           | 76.41        | 20       | 14.82          |
| 322 | Cryptomeria                    | MSH          | IV                  | NS           | PRD                        | 85.74    | 0.0607   | 0.3113   | 0.4201                | 19.09       | 0.53           | 82.53        | 26       | 19.86          |
| 323 | Cryptomeria                    | MSH          | IV                  | NS           | RD                         | 28.47    | 0.2079   | -0.0585  | 0.4202                | 9.82        | 0.55           | 69.25        | 9        | 8.26           |
| 324 | Cryptomeria                    | MSH          | V                   | *            | NRD                        | 164.50   | 0.0776   | 0.6398   | 0.4282                | 21.18       | 4.84           | 93.95        | 112      | 23.30          |
| 325 | Cryptomeria                    | MSH          | V                   | *            | PRD                        | 115.00   | 0.1273   | 0.7142   | 0.3728                | 23.67       | 2.29           | 89.87        | 56       | 25.50          |
| 326 | Cryptomeria                    | MSH          | V                   | *            | RD                         | 95.21    | 0.1798   | 0.8481   | 0.6415                | 16.08       | 0.50           | 85.20        | 20       | 20.09          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 327 | Cryptomeria                    | MSSH         | II                  | P            | NRD                        | 200.00   | 0.0860   | 0.6756   | 0.3683                | 38.54       | 5.36           | 77.20        | 30       | 35.87                              |
| 328 | Cryptomeria                    | MSSH         | II                  | P            | PRD & RD                   | 86.70    | 0.4257   | 0.9752   | 0.4022                | 37.54       | 1.74           | 81.44        | 27       | 24.32                              |
| 329 | Cryptomeria                    | MSSH         | III                 | P            | NRD                        | 130.00   | 0.0827   | 0.5221   | 0.8118                | 10.46       | 0.84           | 98.87        | 634      | 11.83                              |
| 330 | Cryptomeria                    | MSSH         | III                 | P            | PRD                        | 111.50   | 0.1529   | 0.6801   | 0.7173                | 12.82       | 2.30           | 98.32        | 287      | 11.32                              |
| 331 | Cryptomeria                    | MSSH         | III                 | P            | RD                         | 95.81    | 0.1614   | 0.7508   | 0.3887                | 15.80       | 0.31           | 95.99        | 92       | 19.93                              |
| 332 | Cryptomeria                    | MSSH         | III                 | NS           | *                          | 46.22    | 0.1985   | 0.0436   | 0.3027                | 13.45       | 0.80           | 87.32        | 27       | 12.26                              |
| 333 | Cryptomeria                    | MSSH         | IV                  | P            | NRD                        | 118.70   | 0.0716   | 0.4521   | 0.7167                | 10.73       | 1.11           | 98.35        | 403      | 12.43                              |
| 334 | Cryptomeria                    | MSSH         | IV                  | P            | PRD                        | 113.60   | 0.1101   | 0.5687   | 0.6186                | 14.98       | 1.66           | 97.46        | 248      | 13.28                              |
| 335 | Cryptomeria                    | MSSH         | IV                  | P            | RD                         | 68.15    | 0.3057   | 0.9269   | 0.4062                | 22.16       | 0.15           | 89.66        | 42       | 20.64                              |
| 336 | Cryptomeria                    | MSSH         | IV                  | NS           | *                          | 85.04    | 0.0461   | -0.2738  | 0.4108                | 17.00       | 0.98           | 84.66        | 27       | 6.61                               |
| 337 | Cryptomeria                    | MSSH         | V                   | P            | *                          | 69.22    | 0.2364   | 0.7145   | 0.3804                | 32.76       | 2.03           | 76.84        | 26       | 32.69                              |
| 338 | Cryptomeria                    | SSH          | III                 | *            | *                          | 149.70   | 0.0222   | -1.2260  | 0.6905                | 18.51       | 0.75           | 82.41        | 10       | 10.65                              |
| 339 | Cryptomeria                    | SSH          | IV                  | P            | NRD                        | 135.00   | 0.2469   | 0.7857   | 0.4083                | 33.62       | 1.64           | 75.52        | 16       | 7.31                               |
| 340 | Metasequoia                    | MSH          | II                  | *            | *                          | 248.00   | 0.0345   | 0.0972   | 0.4048                | 32.19       | 2.70           | 63.50        | 13       | 39.71                              |
| 341 | Metasequoia                    | MSH          | III                 | P            | PRD & RD                   | 53.82    | 1.2320   | 0.9999   | 0.7232                | 17.02       | 14.24          | 81.81        | 14       | 10.08                              |
| 342 | Metasequoia                    | MSH          | IV                  | P            | PRD & RD                   | 205.00   | 0.0147   | 0.0159   | 0.3674                | 20.94       | 1.37           | 77.64        | 17       | 13.07                              |
| 343 | Metasequoia                    | MSH          | IV                  | *            | NRD                        | 365.00   | 0.0155   | 0.2415   | 0.3191                | 25.97       | 1.21           | 89.94        | 89       | 21.81                              |
| 344 | Metasequoia                    | MSH & MSSH   | III                 | *            | NRD                        | 189.40   | 0.0026   | -1.9320  | 0.3143                | 23.08       | 0.19           | 93.66        | 98       | 20.76                              |
| 345 | Other fir                      | MSH          | II & III            | *            | NRD                        | 101.60   | 0.2857   | 0.9359   | 0.3951                | 34.78       | 0.20           | 81.89        | 32       | 34.28                              |
| 346 | Other fir                      | MSH          | II                  | P            | PRD                        | 430.00   | 0.0698   | 0.8920   | 0.5936                | 30.43       | 18.91          | 56.58        | 17       | 38.34                              |
| 347 | Other fir                      | MSH          | III                 | *            | PRD & RD                   | 41.89    | 0.3374   | 0.9378   | 0.4372                | 20.80       | 0.29           | 69.27        | 16       | 12.55                              |
| 348 | Other fir                      | MSH          | IV                  | P            | NRD                        | 220.00   | 0.0318   | 0.3546   | 0.4076                | 30.39       | 1.97           | 74.91        | 19       | 30.72                              |
| 349 | Other fir                      | MSH          | IV                  | NS           | NRD & PRD                  | 170.00   | 0.0323   | 0.5595   | 0.5035                | 27.19       | 9.35           | 51.58        | 9        | 31.98                              |
| 350 | Other fir                      | MSH          | IV                  | NS           | RD                         | 41.65    | 0.8107   | -0.4346  | 0.3545                | 18.59       | 0.00           | 56.79        | 8        | 13.53                              |
| 351 | Other fir                      | MSH          | IV & V              | P            | PRD & RD                   | 49.54    | 0.1791   | 0.9086   | 0.5689                | 10.72       | 0.00           | 80.25        | 13       | 14.72                              |
| 352 | Other fir                      | MSSH         | III                 | P            | *                          | 102.40   | 0.0305   | -0.9904  | 0.393                 | 24.28       | 1.22           | 81.23        | 14       | 14.04                              |

| No. | Dominant tree species (groups)         | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|----------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 353 | Other fir                              | MSSH         | III                 | NS           | PRD & RD                   | 60.28    | 0.2721   | 0.9651   | 0.5551                | 13.79       | 0.01           | 87.18        | 16       | 10.18                              |
| 354 | Other fir                              | MSSH         | IV                  | P            | *                          | 320.00   | 0.0290   | 0.4545   | 0.9172                | 14.14       | 0.63           | 81.08        | 7        | 17.89                              |
| 355 | Other fir                              | MSSH         | IV                  | NS           | NRD & PRD                  | 52.95    | 0.3434   | 0.9339   | 0.5782                | 9.27        | 0.02           | 94.32        | 34       | 6.72                               |
| 356 | Other fir                              | MSSH         | IV                  | NS           | RD                         | 45.27    | 0.2050   | 0.3681   | 0.3755                | 15.15       | 1.65           | 78.99        | 13       | 9.89                               |
| 357 | Other fir                              | MSSH         | V                   | *            | *                          | 42.92    | 0.2538   | 0.5975   | 0.7255                | 10.47       | 0.01           | 53.63        | 5        | 11.08                              |
| 358 | Other fir                              | SSH          | *                   | *            | *                          | 127.30   | 0.0915   | 0.6097   | 0.4892                | 37.56       | 0.91           | 63.51        | 10       | 15.68                              |
| 359 | Other coniferous tree species (groups) | MSH          | II                  | *            | NRD                        | 639.10   | 0.0267   | 0.6485   | 0.9988                | 0.55        | 0.04           | 99.39        | 6        | 0.73                               |
| 360 | Other coniferous tree species (groups) | MSH          | III                 | P            | *                          | 179.50   | 0.0921   | 0.7631   | 0.4851                | 36.79       | 0.99           | 87.64        | 40       | 30.83                              |
| 361 | Other coniferous tree species (groups) | MSH          | III                 | NS           | *                          | 119.00   | 0.0222   | 0.3020   | 0.4017                | 20.81       | 7.53           | 64.37        | 16       | 8.86                               |
| 362 | Other coniferous tree species (groups) | MSH          | IV                  | P            | NRD                        | 58.18    | 0.1207   | 0.6068   | 0.3316                | 21.18       | 0.14           | 72.79        | 14       | 15.44                              |
| 363 | Other coniferous tree species (groups) | MSH          | IV                  | NS           | NRD                        | 164.00   | 0.0030   | -0.3655  | 0.5052                | 7.01        | 2.25           | 85.59        | 21       | 7.04                               |
| 364 | Other coniferous tree species (groups) | MSH          | IV                  | *            | PRD & RD                   | 32.17    | 0.3950   | 0.9532   | 0.4167                | 11.10       | 0.65           | 78.26        | 15       | 14.35                              |
| 365 | Other coniferous tree species (groups) | MSH          | V                   | *            | *                          | 60.63    | 0.1981   | 0.9475   | 0.96                  | 4.31        | 2.05           | 89.14        | 7        | 6.18                               |
| 366 | Other coniferous tree species (groups) | MSSH         | II & III            | NS           | PRD                        | 153.00   | 0.0121   | -0.0456  | 0.3619                | 19.35       | 0.68           | 87.79        | 30       | 22.37                              |
| 367 | Other coniferous                       | MSSH         | III                 | P            | NRD                        | 200.00   | 0.0247   | 0.0623   | 0.4774                | 19.79       | 1.87           | 86.75        | 29       | 10.96                              |

| No. | Dominant tree species (groups)                                  | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|-----------------------------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 368 | tree species (groups)<br>Other coniferous tree species (groups) | MSSH         | IV                  | P            | NRD                        | 220.00   | 0.0089   | -0.3596  | 0.3619                | 25.80       | 4.98           | 78.89        | 23       | 20.25                              |
| 369 | tree species (groups)<br>Other coniferous tree species (groups) | MSSH         | IV                  | P            | PRD                        | 132.20   | 0.0128   | -0.8350  | 0.6879                | 15.77       | 0.20           | 64.60        | 7        | 23.80                              |
| 370 | tree species (groups)<br>Other coniferous tree species (groups) | MSSH & SSH   | IV                  | NS           | *                          | 242.30   | 0.0068   | -0.3635  | 0.7142                | 13.85       | 0.02           | 91.25        | 17       | 15.17                              |
| 371 | Poplar/aspen                                                    | MSH          | II                  | P            | NRD                        | 94.99    | 0.1176   | 0.5195   | 0.3567                | 27.22       | 1.91           | 91.88        | 86       | 23.96                              |
| 372 | Poplar/aspen                                                    | MSH          | II                  | P            | PRD                        | 67.50    | 0.2021   | 0.5211   | 0.3022                | 26.07       | 1.80           | 92.22        | 98       | 28.99                              |
| 373 | Poplar/aspen                                                    | MSH          | II                  | P            | RD                         | 65.00    | 0.1234   | 0.3223   | 0.3535                | 16.62       | 5.05           | 83.87        | 15       | 9.74                               |
| 374 | Poplar/aspen                                                    | MSH          | II                  | NS           | NRD                        | 60.68    | 0.0556   | 0.1974   | 0.4112                | 12.49       | 0.24           | 89.53        | 49       | 11.70                              |
| 375 | Poplar/aspen                                                    | MSH          | II                  | NS           | PRD                        | 42.51    | 0.1685   | 0.4730   | 0.388                 | 16.29       | 3.37           | 81.27        | 21       | 17.67                              |
| 376 | Poplar/aspen                                                    | MSH          | II                  | NS           | RD                         | 85.00    | 0.1404   | 0.3389   | 0.4486                | 29.41       | 2.38           | 48.73        | 7        | 29.30                              |
| 377 | Poplar/aspen                                                    | MSH          | III                 | P            | NRD                        | 58.62    | 0.0942   | -0.3090  | 0.3936                | 9.37        | 0.02           | 98.85        | 852      | 8.78                               |
| 378 | Poplar/aspen                                                    | MSH          | III                 | P            | PRD                        | 53.46    | 0.2096   | 0.5652   | 0.4329                | 7.26        | 0.09           | 98.95        | 628      | 7.26                               |
| 379 | Poplar/aspen                                                    | MSH          | III                 | P            | RD                         | 95.00    | 0.0621   | 0.3143   | 0.5134                | 12.84       | 1.65           | 95.17        | 102      | 14.58                              |
| 380 | Poplar/aspen                                                    | MSH          | III                 | NS           | NRD                        | 167.80   | 0.0023   | -1.0510  | 0.5026                | 6.57        | 0.01           | 98.56        | 460      | 5.97                               |
| 381 | Poplar/aspen                                                    | MSH          | III                 | NS           | PRD                        | 49.52    | 0.1836   | 0.6672   | 0.3764                | 10.75       | 0.24           | 97.26        | 286      | 10.48                              |
| 382 | Poplar/aspen                                                    | MSH          | III                 | NS           | RD                         | 32.00    | 0.9999   | 0.9923   | 0.3383                | 9.83        | 0.02           | 93.74        | 75       | 7.68                               |
| 383 | Poplar/aspen                                                    | MSH          | IV                  | P            | NRD                        | 47.53    | 0.1915   | 0.4783   | 0.3205                | 6.97        | 0.91           | 98.94        | 712      | 6.35                               |
| 384 | Poplar/aspen                                                    | MSH          | IV                  | P            | PRD                        | 90.38    | 0.0252   | -0.4741  | 0.5284                | 7.75        | 0.06           | 98.45        | 456      | 6.98                               |
| 385 | Poplar/aspen                                                    | MSH          | IV                  | P            | RD                         | 42.51    | 0.1962   | 0.5434   | 0.3909                | 11.50       | 2.95           | 94.81        | 122      | 10.29                              |
| 386 | Poplar/aspen                                                    | MSH          | IV                  | NS           | NRD                        | 46.34    | 0.1075   | 0.3664   | 0.6227                | 5.85        | 0.08           | 98.74        | 524      | 5.87                               |
| 387 | Poplar/aspen                                                    | MSH          | IV                  | NS           | PRD                        | 43.54    | 0.0678   | -0.3646  | 0.4421                | 6.63        | 1.40           | 97.58        | 224      | 5.40                               |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 388 | Poplar/aspen                   | MSH          | IV                  | NS           | RD                         | 34.28    | 0.0805   | -0.6026  | 0.4109                | 7.21        | 3.89           | 95.01        | 89       | 7.98           |
| 389 | Poplar/aspen                   | MSH          | V                   | P            | NRD                        | 47.19    | 0.2428   | 0.8050   | 0.3963                | 13.08       | 1.51           | 94.05        | 95       | 15.04          |
| 390 | Poplar/aspen                   | MSH          | V                   | P            | PRD                        | 59.10    | 0.0678   | 0.1639   | 0.3558                | 17.87       | 1.10           | 89.49        | 72       | 14.51          |
| 391 | Poplar/aspen                   | MSH          | V                   | P            | RD                         | 61.66    | 0.1935   | 0.8949   | 0.5104                | 13.25       | 0.11           | 82.26        | 18       | 15.67          |
| 392 | Poplar/aspen                   | MSH          | V                   | NS           | NRD                        | 97.87    | 0.0275   | 0.0497   | 0.4694                | 10.67       | 1.29           | 95.00        | 116      | 10.40          |
| 393 | Poplar/aspen                   | MSH          | V                   | NS           | PRD                        | 49.73    | 0.0824   | 0.4012   | 0.5131                | 8.78        | 0.41           | 91.76        | 48       | 5.92           |
| 394 | Poplar/aspen                   | MSH          | V                   | NS           | RD                         | 53.72    | 0.1481   | 0.7569   | 0.3387                | 17.55       | 1.10           | 74.02        | 26       | 11.34          |
| 395 | Poplar/aspen                   | MSSH         | II                  | *            | *                          | 103.80   | 0.0097   | -2.7800  | 0.4226                | 29.79       | 2.78           | 46.86        | 7        | 28.90          |
| 396 | Poplar/aspen                   | MSSH         | III                 | P            | NRD                        | 77.40    | 0.2058   | 0.3074   | 0.3132                | 32.75       | 1.52           | 89.67        | 59       | 17.05          |
| 397 | Poplar/aspen                   | MSSH         | III                 | P            | PRD                        | 117.50   | 0.0195   | -0.6720  | 0.3591                | 17.97       | 0.08           | 96.15        | 156      | 23.02          |
| 398 | Poplar/aspen                   | MSSH         | III                 | P            | RD                         | 180.00   | 0.0265   | 0.4119   | 0.3355                | 23.63       | 4.93           | 64.34        | 13       | 20.41          |
| 399 | Poplar/aspen                   | MSSH         | III                 | NS           | NRD                        | 85.00    | 0.0882   | 0.5011   | 0.3549                | 29.97       | 4.91           | 82.62        | 29       | 27.04          |
| 400 | Poplar/aspen                   | MSSH         | III                 | NS           | PRD                        | 91.89    | 0.0612   | 0.6040   | 0.6398                | 13.09       | 0.52           | 87.40        | 26       | 14.66          |
| 401 | Poplar/aspen                   | MSSH         | IV                  | P            | NRD                        | 67.78    | 0.2775   | -0.5623  | 0.3861                | 23.63       | 0.84           | 88.32        | 32       | 24.41          |
| 402 | Poplar/aspen                   | MSSH         | IV                  | P            | PRD                        | 99.99    | 0.0413   | -0.2535  | 0.3544                | 14.43       | 1.12           | 96.21        | 100      | 14.63          |
| 403 | Poplar/aspen                   | MSSH         | IV                  | P            | RD                         | 64.48    | 0.0416   | -0.5008  | 0.376                 | 14.77       | 1.41           | 78.31        | 13       | 16.21          |
| 404 | Poplar/aspen                   | MSSH         | IV                  | NS           | NRD                        | 75.45    | 0.1387   | 0.6049   | 0.517                 | 18.52       | 0.05           | 88.14        | 25       | 10.36          |
| 405 | Poplar/aspen                   | MSSH         | IV                  | NS           | PRD & RD                   | 48.79    | 0.1480   | 0.3557   | 0.3095                | 14.71       | 0.89           | 89.70        | 39       | 17.99          |
| 406 | Poplar/aspen                   | MSSH         | V                   | *            | *                          | 56.45    | 0.3277   | 0.9745   | 0.4524                | 18.20       | 0.82           | 76.58        | 14       | 23.29          |
| 407 | Poplar/aspen                   | SSH          | II                  | P            | NRD                        | 147.50   | 0.2049   | 0.1871   | 0.827                 | 21.58       | 2.91           | 67.88        | 6        | 32.79          |
| 408 | Poplar/aspen                   | SSH          | III                 | P            | *                          | 80.92    | 0.0678   | -1.4740  | 0.3734                | 29.86       | 0.19           | 82.05        | 25       | 19.70          |
| 409 | Poplar/aspen                   | SSH          | III                 | NS           | *                          | 76.49    | 0.0223   | -0.4384  | 0.3542                | 11.10       | 4.59           | 69.25        | 9        | 3.38           |
| 410 | Poplar/aspen                   | SSH          | IV                  | P            | NRD                        | 38.62    | 0.6801   | -0.5718  | 0.3581                | 19.22       | 1.64           | 78.72        | 21       | 18.37          |
| 411 | Poplar/aspen                   | SSH          | IV                  | P            | PRD & RD                   | 230.00   | 0.0342   | 0.3071   | 0.5695                | 32.19       | 1.82           | 75.94        | 18       | 14.79          |
| 412 | Poplar/aspen                   | SSH          | IV                  | NS           | *                          | 94.99    | 0.0160   | -0.4371  | 0.3053                | 14.46       | 4.83           | 75.48        | 15       | 13.15          |
| 413 | Poplar/aspen                   | SSH          | V                   | *            | *                          | 72.58    | 0.2482   | 0.9012   | 0.4044                | 19.77       | 5.27           | 72.17        | 11       | 23.79          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 414 | Willow                         | MSH          | II                  | *            | *                          | 67.01    | 0.3127   | 0.5730   | 0.3509                | 33.59       | 0.41           | 62.23        | 16       | 19.64          |
| 415 | Willow                         | MSH          | III                 | P            | NRD                        | 44.60    | 0.3811   | 0.4989   | 0.3403                | 22.00       | 5.05           | 80.62        | 25       | 15.75          |
| 416 | Willow                         | MSH          | III                 | P            | PRD                        | 100.00   | 0.0915   | 0.4574   | 0.4738                | 21.64       | 0.06           | 59.67        | 8        | 7.39           |
| 417 | Willow                         | MSH          | III                 | P            | RD                         | 81.37    | 0.3113   | 0.9173   | 0.9998                | 0.01        | 0.02           | 99.94        | 6        | 0.01           |
| 418 | Willow                         | MSH          | III                 | NS           | *                          | 95.00    | 0.1077   | 0.6599   | 0.6467                | 17.73       | 7.42           | 74.12        | 10       | 16.80          |
| 419 | Willow                         | MSH          | IV                  | P            | PRD & RD                   | 65.00    | 0.1769   | 0.4960   | 0.3155                | 22.82       | 0.54           | 75.46        | 14       | 21.65          |
| 420 | Willow                         | MSH          | IV                  | NS           | *                          | 105.00   | 0.0667   | 0.4504   | 0.4761                | 29.56       | 0.69           | 49.46        | 9        | 13.89          |
| 421 | Willow                         | MSH          | IV & V              | P            | NRD                        | 82.50    | 0.1883   | 0.9149   | 0.3969                | 25.55       | 0.78           | 71.97        | 14       | 9.87           |
| 422 | Willow                         | MSSH & SSH   | *                   | *            | *                          | 90.00    | 0.0836   | 0.7156   | 0.3168                | 32.19       | 14.14          | 60.30        | 17       | 18.79          |
| 423 | Eucalyptus                     | MSH          | II                  | P            | *                          | 95.00    | 0.0427   | -0.2764  | 0.3908                | 17.49       | 2.54           | 73.92        | 13       | 13.36          |
| 424 | Eucalyptus                     | MSH          | III                 | P            | NRD                        | 65.38    | 1.6430   | 0.9998   | 0.4453                | 12.89       | 0.82           | 97.01        | 137      | 13.17          |
| 425 | Eucalyptus                     | MSH          | III                 | P            | PRD                        | 160.80   | 0.0027   | -1.9570  | 0.3242                | 25.77       | 0.27           | 83.39        | 35       | 13.83          |
| 426 | Eucalyptus                     | MSH          | III                 | P            | RD                         | 48.59    | 1.5210   | 0.9999   | 0.387                 | 17.42       | 4.22           | 76.67        | 14       | 18.63          |
| 427 | Eucalyptus                     | MSH          | III                 | NS           | *                          | 115.00   | 0.1754   | 0.7075   | 0.3952                | 37.24       | 1.66           | 65.91        | 14       | 20.70          |
| 428 | Eucalyptus                     | MSH          | IV                  | P            | NRD                        | 54.54    | 0.8059   | 0.9269   | 0.3443                | 15.40       | 0.82           | 94.53        | 83       | 14.04          |
| 429 | Eucalyptus                     | MSH          | IV                  | P            | PRD                        | 80.00    | 0.1051   | 0.3623   | 0.5117                | 12.28       | 1.87           | 94.55        | 82       | 11.26          |
| 430 | Eucalyptus                     | MSH          | IV                  | P            | RD                         | 155.00   | 0.1815   | 0.2567   | 0.6764                | 13.59       | 0.38           | 94.72        | 25       | 10.89          |
| 431 | Eucalyptus                     | MSH          | IV                  | NS           | *                          | 79.72    | 0.0561   | -0.4670  | 0.4028                | 22.77       | 0.01           | 78.40        | 19       | 20.18          |
| 432 | Eucalyptus                     | MSH          | V                   | *            | *                          | 42.15    | 1.7080   | -0.8658  | 0.376                 | 19.89       | 0.06           | 79.17        | 20       | 13.00          |
| 433 | Eucalyptus                     | MSSH         | II                  | P            | NRD                        | 92.48    | 0.0514   | -0.4232  | 0.3688                | 22.06       | 2.84           | 63.34        | 8        | 25.98          |
| 434 | Eucalyptus                     | MSSH         | II                  | P            | PRD                        | 133.40   | 0.1695   | 0.3985   | 0.5313                | 20.50       | 0.06           | 89.67        | 20       | 16.13          |
| 435 | Eucalyptus                     | MSSH         | III                 | P            | RD                         | 133.90   | 0.0247   | -0.1750  | 0.4458                | 20.79       | 0.37           | 79.01        | 14       | 22.83          |
| 436 | Eucalyptus                     | MSSH         | III                 | *            | NRD                        | 51.06    | 0.9933   | -0.9902  | 0.5424                | 7.14        | 0.03           | 96.14        | 42       | 7.72           |
| 437 | Eucalyptus                     | MSSH         | III                 | *            | PRD                        | 92.77    | 0.2593   | 0.5647   | 0.4044                | 22.61       | 0.01           | 93.08        | 66       | 24.36          |
| 438 | Eucalyptus                     | MSSH         | IV                  | P            | NRD                        | 45.03    | 0.5181   | -0.7301  | 0.3609                | 9.17        | 1.83           | 94.34        | 42       | 7.68           |
| 439 | Eucalyptus                     | MSSH         | IV                  | P            | PRD                        | 71.32    | 0.9888   | 0.9944   | 0.5059                | 13.73       | 0.08           | 94.26        | 49       | 9.75           |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 440 | Eucalyptus                     | MSSH         | IV                  | P            | RD                         | 121.20   | 0.0188   | -1.1430  | 0.4378                | 30.46       | 2.13           | 60.54        | 9        | 28.73          |
| 441 | Eucalyptus                     | MSSH         | V                   | P            | *                          | 53.46    | 0.2533   | 0.4998   | 0.837                 | 6.13        | 0.01           | 89.63        | 11       | 5.89           |
| 442 | Eucalyptus                     | SSH          | II                  | P            | NRD                        | 88.25    | 0.5676   | 0.9217   | 0.306                 | 22.07       | 0.02           | 91.00        | 43       | 21.89          |
| 443 | Eucalyptus                     | SSH          | II                  | P            | PRD & RD                   | 77.50    | 0.5533   | 0.9209   | 0.4184                | 22.03       | 3.50           | 70.74        | 9        | 14.18          |
| 444 | Eucalyptus                     | SSH          | III                 | P            | NRD                        | 93.47    | 0.6422   | 0.9113   | 0.4522                | 10.35       | 0.00           | 98.75        | 269      | 9.48           |
| 445 | Eucalyptus                     | SSH          | III                 | P            | PRD & RD                   | 90.16    | 1.1390   | 0.9863   | 0.3958                | 13.43       | 0.01           | 98.08        | 191      | 15.54          |
| 446 | Eucalyptus                     | SSH          | III                 | NS           | *                          | 75.35    | 0.9950   | -0.9955  | 0.5454                | 22.73       | 0.03           | 70.77        | 8        | 26.75          |
| 447 | Eucalyptus                     | SSH          | IV                  | P            | NRD & PRD                  | 98.91    | 0.3100   | -0.0190  | 0.365                 | 10.95       | 0.57           | 98.85        | 310      | 12.59          |
| 448 | Eucalyptus                     | SSH          | IV                  | P            | RD                         | 118.90   | 0.4326   | 0.7981   | 0.3254                | 16.20       | 0.02           | 98.64        | 399      | 14.95          |
| 449 | Eucalyptus                     | SSH          | IV                  | NS           | *                          | 50.64    | 0.3448   | 0.8208   | 0.3437                | 29.18       | 7.88           | 50.31        | 10       | 26.72          |
| 450 | Eucalyptus                     | SSH          | V                   | *            | *                          | 92.19    | 0.0938   | -0.1606  | 0.3691                | 17.74       | 0.02           | 85.99        | 21       | 15.50          |
| 451 | Camphor                        | MSH          | II                  | P            | NRD                        | 147.70   | 0.0571   | 0.4936   | 0.5097                | 30.31       | 0.90           | 87.31        | 48       | 15.65          |
| 452 | Camphor                        | MSH          | II                  | P            | PRD                        | 38.24    | 0.4140   | 0.2790   | 0.4933                | 12.78       | 0.44           | 67.23        | 8        | 6.91           |
| 453 | Camphor                        | MSH          | II                  | NS           | *                          | 90.00    | 0.0504   | 0.1966   | 0.388                 | 30.15       | 0.55           | 66.12        | 16       | 26.41          |
| 454 | Camphor                        | MSH          | III                 | P            | NRD                        | 235.00   | 0.0195   | 0.3171   | 0.6323                | 11.22       | 3.61           | 97.18        | 467      | 11.97          |
| 455 | Camphor                        | MSH          | III                 | P            | PRD                        | 35.04    | 0.5116   | 0.9839   | 0.4716                | 9.13        | 0.34           | 90.34        | 32       | 8.31           |
| 456 | Camphor                        | MSH          | III                 | P            | RD                         | 143.00   | 0.0647   | 0.6475   | 0.673                 | 17.49       | 3.60           | 75.23        | 13       | 6.50           |
| 457 | Camphor                        | MSH          | III                 | NS           | NRD                        | 186.50   | 0.0049   | -0.3602  | 0.3667                | 18.66       | 7.45           | 88.26        | 60       | 20.82          |
| 458 | Camphor                        | MSH          | III                 | NS           | PRD & RD                   | 36.56    | 0.0198   | -1.9130  | 0.4181                | 10.25       | 0.43           | 82.59        | 23       | 7.87           |
| 459 | Camphor                        | MSH          | IV                  | P            | NRD                        | 213.00   | 0.0154   | 0.2389   | 0.6131                | 10.44       | 1.47           | 95.76        | 238      | 9.38           |
| 460 | Camphor                        | MSH          | IV                  | P            | PRD                        | 34.94    | 0.1774   | 0.7130   | 0.419                 | 12.33       | 1.27           | 86.15        | 45       | 7.02           |
| 461 | Camphor                        | MSH          | IV                  | P            | RD                         | 160.60   | 0.0083   | -0.2759  | 0.653                 | 11.43       | 0.11           | 80.17        | 12       | 7.31           |
| 462 | Camphor                        | MSH          | IV                  | NS           | NRD                        | 168.90   | 0.0039   | -0.3216  | 0.4404                | 11.69       | 0.33           | 92.57        | 90       | 14.86          |
| 463 | Camphor                        | MSH          | IV                  | NS           | PRD                        | 50.94    | 0.0229   | 0.0755   | 0.4597                | 8.81        | 0.54           | 85.77        | 37       | 7.12           |
| 464 | Camphor                        | MSH          | IV                  | NS           | RD                         | 140.10   | 0.0137   | 0.0806   | 0.6578                | 21.87       | 0.11           | 85.13        | 16       | 25.55          |
| 465 | Camphor                        | MSH          | V                   | P            | NRD                        | 34.59    | 0.8405   | -0.8349  | 0.3558                | 18.85       | 0.38           | 64.41        | 12       | 14.06          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 466 | Camphor                        | MSH          | V                   | P            | PRD                        | 34.78    | 0.1064   | −0.0663  | 0.3612                | 17.39       | 0.08           | 44.31        | 9        | 15.57          |
| 467 | Camphor                        | MSH          | V                   | NS           | NRD                        | 110.90   | 0.0202   | 0.3450   | 0.5836                | 13.61       | 0.23           | 75.04        | 16       | 4.73           |
| 468 | Camphor                        | MSH          | V                   | NS           | PRD & RD                   | 180.00   | 0.0425   | 0.7636   | 0.679                 | 19.04       | 11.74          | 66.68        | 17       | 19.97          |
| 469 | Camphor                        | MSSH         | II & III            | P            | NRD                        | 315.00   | 0.0020   | −0.5204  | 0.5628                | 9.06        | 1.52           | 77.24        | 10       | 14.80          |
| 470 | Camphor                        | MSSH         | II & III            | P            | PRD & RD                   | 228.50   | 0.0203   | 0.4265   | 0.7253                | 9.71        | 2.93           | 82.68        | 14       | 11.98          |
| 471 | Camphor                        | MSSH         | III                 | NS           | NRD                        | 310.00   | 0.0283   | 0.5975   | 0.5104                | 39.56       | 4.03           | 42.84        | 9        | 8.53           |
| 472 | Camphor                        | MSSH         | III                 | NS           | PRD & RD                   | 170.00   | 0.0122   | 0.0528   | 0.6097                | 12.76       | 0.41           | 77.15        | 12       | 11.64          |
| 473 | Camphor                        | MSSH         | IV                  | P            | *                          | 41.88    | 0.1978   | 0.8774   | 0.5216                | 12.21       | 0.06           | 77.30        | 14       | 10.51          |
| 474 | Camphor                        | MSSH         | IV                  | NS           | PRD & RD                   | 131.70   | 0.0464   | 0.6283   | 0.6002                | 19.07       | 0.35           | 81.01        | 20       | 16.10          |
| 475 | Camphor                        | MSSH         | IV & V              | NS           | NRD                        | 96.24    | 0.0063   | −0.8166  | 0.6524                | 7.85        | 1.07           | 74.26        | 8        | 12.07          |
| 476 | Camphor                        | SSH          | II                  | P            | *                          | 48.00    | 0.0093   | −0.7324  | 0.309                 | 10.59       | 8.12           | 52.08        | 9        | 9.98           |
| 477 | Camphor                        | SSH          | III                 | P            | *                          | 43.49    | 0.7084   | 0.9941   | 0.3767                | 15.54       | 0.49           | 79.17        | 15       | 4.29           |
| 478 | Camphor                        | SSH          | III                 | NS           | NRD                        | 122.00   | 0.1458   | 0.8889   | 0.3713                | 31.08       | 1.29           | 59.42        | 13       | 25.91          |
| 479 | Camphor                        | SSH          | III                 | NS           | PRD                        | 202.50   | 0.0253   | 0.5089   | 0.3201                | 30.26       | 1.51           | 86.68        | 47       | 33.25          |
| 480 | Camphor                        | SSH          | III                 | NS           | RD                         | 42.60    | 0.3922   | 0.9784   | 0.34                  | 13.15       | 6.23           | 89.02        | 31       | 16.39          |
| 481 | Camphor                        | SSH          | IV                  | P            | *                          | 95.48    | 0.0094   | −0.5984  | 0.3866                | 17.28       | 4.53           | 54.35        | 9        | 19.62          |
| 482 | Camphor                        | SSH          | IV                  | NS           | NRD & PRD                  | 43.77    | 0.1360   | 0.0767   | 0.3298                | 24.86       | 1.14           | 73.01        | 20       | 19.99          |
| 483 | Camphor                        | SSH          | IV                  | NS           | RD                         | 33.83    | 0.9961   | 0.9999   | 0.3701                | 9.36        | 0.89           | 90.07        | 28       | 14.75          |
| 484 | Phoebe                         | MSH          | II                  | *            | *                          | 160.00   | 0.0168   | 0.2487   | 0.6328                | 21.70       | 1.26           | 72.85        | 16       | 27.86          |
| 485 | Phoebe                         | MSH          | III                 | P            | *                          | 77.04    | 0.0456   | 0.0088   | 0.3599                | 33.65       | 0.48           | 68.13        | 22       | 25.68          |
| 486 | Phoebe                         | MSH          | III                 | NS           | NRD                        | 208.00   | 0.0036   | −0.2130  | 0.5954                | 19.41       | 2.39           | 85.03        | 38       | 23.53          |
| 487 | Phoebe                         | MSH          | III                 | NS           | PRD & RD                   | 120.70   | 0.0307   | 0.3746   | 0.6564                | 23.88       | 0.12           | 81.92        | 16       | 18.49          |
| 488 | Phoebe                         | MSH          | IV                  | P            | *                          | 145.00   | 0.0217   | 0.2984   | 0.4272                | 22.33       | 1.03           | 73.41        | 19       | 26.01          |
| 489 | Phoebe                         | MSH          | IV                  | NS           | NRD                        | 216.20   | 0.0063   | −0.0772  | 0.5536                | 21.78       | 2.74           | 83.01        | 32       | 19.50          |
| 490 | Phoebe                         | MSH          | IV                  | NS           | PRD                        | 110.50   | 0.0082   | −0.9615  | 0.3729                | 34.82       | 2.70           | 70.10        | 20       | 37.19          |
| 491 | Phoebe                         | MSH          | IV                  | NS           | RD                         | 165.00   | 0.0374   | 0.3760   | 0.7192                | 26.63       | 0.33           | 85.79        | 12       | 8.18           |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 492 | Phoebe                         | MSH          | V                   | *            | *                          | 49.63    | 0.0470   | -0.4481  | 0.4                   | 17.93       | 2.89           | 67.08        | 11       | 7.75           |
| 493 | Phoebe                         | MSSH         | *                   | *            | *                          | 97.00    | 0.0109   | 0.1438   | 0.4419                | 8.74        | 4.97           | 65.27        | 9        | 6.31           |
| 494 | Phoebe                         | SSH          | *                   | *            | *                          | 40.54    | 0.9559   | -0.9621  | 0.4095                | 16.59       | 0.08           | 78.78        | 16       | 13.42          |
| 495 | Oak                            | MSH          | II                  | P            | NRD                        | 31.45    | 0.2672   | 0.3508   | 0.3424                | 13.06       | 1.25           | 88.40        | 48       | 14.28          |
| 496 | Oak                            | MSH          | II                  | P            | PRD & RD                   | 72.36    | 0.0704   | 0.6429   | 0.7684                | 11.82       | 4.29           | 72.28        | 12       | 12.17          |
| 497 | Oak                            | MSH          | II                  | NS           | NRD                        | 104.60   | 0.0408   | 0.4182   | 0.751                 | 10.21       | 3.83           | 95.00        | 100      | 11.04          |
| 498 | Oak                            | MSH          | II                  | NS           | PRD & RD                   | 52.18    | 0.1247   | 0.5586   | 0.418                 | 16.10       | 1.31           | 85.44        | 35       | 13.36          |
| 499 | Oak                            | MSH          | III                 | P            | NRD                        | 55.03    | 0.0640   | -0.0090  | 0.5861                | 6.99        | 0.20           | 98.20        | 345      | 7.78           |
| 500 | Oak                            | MSH          | III                 | P            | PRD                        | 162.50   | 0.0416   | 0.6710   | 0.5927                | 19.12       | 10.47          | 93.03        | 132      | 17.63          |
| 501 | Oak                            | MSH          | III                 | P            | RD                         | 52.50    | 0.0914   | 0.6872   | 0.6264                | 11.42       | 1.53           | 77.35        | 15       | 10.26          |
| 502 | Oak                            | MSH          | III                 | NS           | NRD                        | 83.62    | 0.0283   | -0.0188  | 0.7663                | 5.56        | 2.68           | 99.38        | 2140     | 5.62           |
| 503 | Oak                            | MSH          | III                 | NS           | PRD                        | 72.79    | 0.0341   | -0.0750  | 0.5571                | 10.04       | 0.02           | 98.13        | 639      | 9.24           |
| 504 | Oak                            | MSH          | III                 | NS           | RD                         | 74.52    | 0.0569   | 0.4927   | 0.7118                | 12.25       | 1.42           | 93.70        | 67       | 13.76          |
| 505 | Oak                            | MSH          | IV                  | P            | NRD                        | 58.33    | 0.1681   | 0.6699   | 0.3313                | 19.89       | 25.39          | 96.46        | 378      | 19.11          |
| 506 | Oak                            | MSH          | IV                  | P            | PRD                        | 97.50    | 0.1196   | 0.6529   | 0.6086                | 25.58       | 29.36          | 94.75        | 140      | 24.95          |
| 507 | Oak                            | MSH          | IV                  | P            | RD                         | 52.29    | 0.1841   | 0.8975   | 0.4174                | 17.63       | 0.20           | 68.00        | 15       | 8.23           |
| 508 | Oak                            | MSH          | IV                  | NS           | NRD                        | 50.82    | 0.1653   | 0.5589   | 0.4279                | 11.29       | 13.90          | 98.79        | 1539     | 11.23          |
| 509 | Oak                            | MSH          | IV                  | NS           | PRD                        | 54.30    | 0.1304   | 0.6655   | 0.4329                | 13.07       | 14.67          | 96.94        | 327      | 13.06          |
| 510 | Oak                            | MSH          | IV                  | NS           | RD                         | 120.00   | 0.0605   | 0.3571   | 0.3621                | 22.40       | 11.90          | 97.13        | 189      | 27.60          |
| 511 | Oak                            | MSH          | V                   | P            | NRD                        | 53.35    | 0.1790   | 0.9026   | 0.4564                | 17.77       | 9.14           | 66.14        | 12       | 17.17          |
| 512 | Oak                            | MSH          | V                   | P            | PRD                        | 85.00    | 0.0763   | 0.6060   | 0.6151                | 21.39       | 0.76           | 80.89        | 20       | 22.57          |
| 513 | Oak                            | MSH          | V                   | NS           | NRD                        | 95.41    | 0.0270   | 0.1513   | 0.6768                | 9.44        | 7.06           | 95.85        | 215      | 7.87           |
| 514 | Oak                            | MSH          | V                   | NS           | PRD                        | 81.08    | 0.0231   | -0.1847  | 0.3547                | 16.55       | 5.32           | 90.60        | 79       | 12.97          |
| 515 | Oak                            | MSH          | V                   | NS           | RD                         | 49.37    | 0.1552   | 0.7164   | 0.3986                | 20.04       | 0.96           | 81.50        | 24       | 18.97          |
| 516 | Oak                            | MSSH         | II                  | *            | *                          | 67.24    | 0.0860   | -0.6693  | 0.3734                | 30.58       | 2.44           | 72.62        | 15       | 18.56          |
| 517 | Oak                            | MSSH         | III                 | P            | NRD                        | 44.60    | 0.1826   | 0.4712   | 0.3603                | 17.48       | 0.70           | 87.83        | 46       | 15.67          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 518 | Oak                            | MSSH         | III                 | P            | PRD & RD                   | 94.29    | 0.0480   | 0.4103   | 0.3652                | 32.60       | 1.22           | 75.35        | 23       | 33.26          |
| 519 | Oak                            | MSSH         | III                 | NS           | NRD                        | 70.07    | 0.0355   | -0.0507  | 0.5077                | 12.20       | 4.99           | 95.76        | 175      | 16.24          |
| 520 | Oak                            | MSSH         | III                 | NS           | PRD                        | 99.92    | 0.0754   | 0.7559   | 0.8023                | 9.09        | 3.60           | 98.78        | 472      | 9.14           |
| 521 | Oak                            | MSSH         | III                 | NS           | RD                         | 45.96    | 0.0476   | -0.1814  | 0.3678                | 15.87       | 0.56           | 90.80        | 71       | 12.00          |
| 522 | Oak                            | MSSH         | IV                  | P            | NRD                        | 59.34    | 0.0853   | 0.4469   | 0.3683                | 21.75       | 9.72           | 80.53        | 31       | 15.25          |
| 523 | Oak                            | MSSH         | IV                  | P            | PRD & RD                   | 209.00   | 0.0086   | -0.0918  | 0.4411                | 27.02       | 3.37           | 84.55        | 36       | 19.66          |
| 524 | Oak                            | MSSH         | IV                  | NS           | NRD                        | 86.19    | 0.0591   | 0.5189   | 0.7028                | 12.47       | 2.30           | 95.74        | 113      | 13.17          |
| 525 | Oak                            | MSSH         | IV                  | NS           | PRD                        | 77.36    | 0.0552   | 0.3674   | 0.6338                | 10.70       | 0.39           | 98.50        | 595      | 10.24          |
| 526 | Oak                            | MSSH         | IV                  | NS           | RD                         | 38.33    | 0.0671   | 0.1707   | 0.3011                | 9.50        | 1.58           | 91.54        | 47       | 8.51           |
| 527 | Oak                            | MSSH         | V                   | *            | *                          | 75.32    | 0.0483   | 0.3886   | 0.4471                | 11.64       | 0.60           | 89.77        | 21       | 9.41           |
| 528 | Oak                            | SSH          | II & III            | NS           | NRD                        | 83.46    | 0.0419   | 0.1689   | 0.4641                | 13.04       | 0.97           | 96.43        | 162      | 16.01          |
| 529 | Oak                            | SSH          | III                 | P            | *                          | 47.55    | 0.4608   | 0.4877   | 0.3801                | 17.54       | 0.68           | 85.06        | 24       | 9.96           |
| 530 | Oak                            | SSH          | III                 | NS           | PRD & RD                   | 73.79    | 0.1041   | 0.5938   | 0.6356                | 14.88       | 0.15           | 85.57        | 16       | 12.10          |
| 531 | Oak                            | SSH          | IV                  | P            | NRD                        | 59.62    | 0.1701   | 0.6936   | 0.3301                | 20.19       | 2.62           | 76.43        | 18       | 23.47          |
| 532 | Oak                            | SSH          | IV                  | P            | PRD                        | 97.50    | 0.1084   | 0.5961   | 0.5969                | 22.79       | 1.47           | 72.94        | 13       | 21.57          |
| 533 | Oak                            | SSH          | IV                  | NS           | NRD                        | 51.27    | 0.1502   | 0.4629   | 0.4296                | 13.02       | 0.19           | 95.91        | 152      | 11.60          |
| 534 | Oak                            | SSH          | IV                  | NS           | PRD                        | 54.69    | 0.1142   | 0.5908   | 0.4277                | 18.21       | 1.07           | 70.62        | 18       | 15.30          |
| 535 | Oak                            | SSH          | IV                  | NS           | RD                         | 165.00   | 0.0452   | 0.4263   | 0.3746                | 30.62       | 4.22           | 87.01        | 38       | 28.80          |
| 536 | Oak                            | SSH          | V                   | NS           | NRD                        | 180.00   | 0.0140   | -0.1271  | 0.7328                | 10.48       | 1.49           | 85.99        | 14       | 10.14          |
| 537 | Oak                            | SSH          | V                   | NS           | PRD                        | 31.01    | 0.1492   | 0.6824   | 0.7941                | 4.31        | 2.67           | 80.63        | 9        | 2.13           |
| 538 | Cyclobalanopsis                | MSH          | II                  | P            | NRD                        | 59.52    | 0.1827   | 0.8487   | 0.3446                | 18.44       | 0.37           | 89.03        | 44       | 14.73          |
| 539 | Cyclobalanopsis                | MSH          | II                  | P            | PRD                        | 45.52    | 0.2324   | -0.1843  | 0.309                 | 19.82       | 0.04           | 65.05        | 10       | 7.93           |
| 540 | Cyclobalanopsis                | MSH          | II                  | NS           | NRD                        | 109.40   | 0.0831   | 0.7903   | 0.8006                | 14.48       | 1.33           | 96.82        | 188      | 14.92          |
| 541 | Cyclobalanopsis                | MSH          | II                  | NS           | PRD & RD                   | 119.90   | 0.0907   | 0.7713   | 0.3958                | 31.44       | 2.69           | 83.51        | 45       | 34.33          |
| 542 | Cyclobalanopsis                | MSH          | III                 | P            | NRD                        | 62.12    | 0.0729   | 0.2153   | 0.3369                | 9.81        | 0.59           | 98.02        | 349      | 11.07          |
| 543 | Cyclobalanopsis                | MSH          | III                 | P            | PRD                        | 70.95    | 0.0413   | -0.5655  | 0.3391                | 22.60       | 1.63           | 91.33        | 89       | 21.05          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 544 | Cyclobalanopsis                | MSH          | III                 | P            | RD                         | 122.00   | 0.0446   | 0.1552   | 0.4586                | 22.50       | 1.25           | 82.15        | 20       | 27.27          |
| 545 | Cyclobalanopsis                | MSH          | III                 | NS           | NRD                        | 56.08    | 0.0886   | -0.0277  | 0.3125                | 9.39        | 0.95           | 99.03        | 1202     | 8.78           |
| 546 | Cyclobalanopsis                | MSH          | III                 | NS           | PRD                        | 59.08    | 0.1009   | 0.3673   | 0.5546                | 8.80        | 0.17           | 97.95        | 257      | 9.46           |
| 547 | Cyclobalanopsis                | MSH          | III                 | NS           | RD                         | 78.50    | 0.0620   | 0.1197   | 0.369                 | 18.82       | 0.07           | 93.77        | 113      | 22.35          |
| 548 | Cyclobalanopsis                | MSH          | IV                  | P            | NRD                        | 59.03    | 0.0678   | -0.0299  | 0.4246                | 8.45        | 0.70           | 98.44        | 468      | 9.19           |
| 549 | Cyclobalanopsis                | MSH          | IV                  | P            | PRD                        | 52.57    | 0.0877   | -0.0113  | 0.3533                | 13.96       | 3.03           | 94.68        | 146      | 14.21          |
| 550 | Cyclobalanopsis                | MSH          | IV                  | P            | RD                         | 44.92    | 0.1140   | 0.1310   | 0.3528                | 17.18       | 2.48           | 84.24        | 35       | 20.44          |
| 551 | Cyclobalanopsis                | MSH          | IV                  | NS           | NRD                        | 59.85    | 0.0408   | -0.7171  | 0.4292                | 9.43        | 2.74           | 99.07        | 1581     | 8.27           |
| 552 | Cyclobalanopsis                | MSH          | IV                  | NS           | PRD                        | 123.80   | 0.0101   | -0.3990  | 0.6517                | 7.83        | 2.05           | 98.28        | 383      | 7.18           |
| 553 | Cyclobalanopsis                | MSH          | IV                  | NS           | RD                         | 140.00   | 0.0217   | 0.1090   | 0.6001                | 23.36       | 3.88           | 94.24        | 162      | 17.65          |
| 554 | Cyclobalanopsis                | MSH          | V                   | P            | NRD                        | 102.50   | 0.0904   | 0.7769   | 0.3439                | 16.81       | 1.96           | 93.75        | 90       | 18.37          |
| 555 | Cyclobalanopsis                | MSH          | V                   | P            | PRD                        | 109.00   | 0.0462   | 0.6269   | 0.4817                | 17.23       | 3.47           | 78.33        | 20       | 23.40          |
| 556 | Cyclobalanopsis                | MSH          | V                   | P            | RD                         | 15.62    | 0.2659   | 0.4961   | 0.428                 | 7.69        | 1.05           | 61.05        | 10       | 8.88           |
| 557 | Cyclobalanopsis                | MSH          | V                   | NS           | NRD                        | 49.56    | 0.0777   | 0.1687   | 0.302                 | 9.49        | 0.64           | 97.05        | 187      | 8.70           |
| 558 | Cyclobalanopsis                | MSH          | V                   | NS           | PRD                        | 102.50   | 0.0286   | 0.3715   | 0.6575                | 9.44        | 3.79           | 93.29        | 66       | 10.17          |
| 559 | Cyclobalanopsis                | MSH          | V                   | NS           | RD                         | 82.50    | 0.0505   | 0.5908   | 0.6263                | 12.14       | 4.20           | 84.36        | 27       | 6.45           |
| 560 | Cyclobalanopsis                | MSSH         | II                  | P            | *                          | 180.00   | 0.0682   | 0.8497   | 0.8148                | 25.21       | 0.44           | 44.77        | 6        | 37.05          |
| 561 | Cyclobalanopsis                | MSSH         | II                  | NS           | NRD                        | 108.90   | 0.0866   | 0.8066   | 0.8007                | 12.56       | 2.07           | 87.74        | 15       | 7.01           |
| 562 | Cyclobalanopsis                | MSSH         | II                  | NS           | PRD & RD                   | 88.95    | 0.1456   | 0.8794   | 0.8112                | 14.92       | 0.72           | 69.67        | 6        | 7.39           |
| 563 | Cyclobalanopsis                | MSSH         | III                 | P            | NRD                        | 180.00   | 0.0428   | 0.6703   | 0.3513                | 30.11       | 17.68          | 78.31        | 44       | 36.17          |
| 564 | Cyclobalanopsis                | MSSH         | III                 | P            | PRD                        | 50.86    | 0.2620   | -0.9974  | 0.3824                | 16.89       | 0.01           | 88.07        | 28       | 12.01          |
| 565 | Cyclobalanopsis                | MSSH         | III                 | NS           | NRD                        | 122.80   | 0.0737   | 0.7099   | 0.737                 | 12.62       | 2.45           | 97.03        | 154      | 11.27          |
| 566 | Cyclobalanopsis                | MSSH         | III                 | NS           | PRD                        | 168.10   | 0.0263   | 0.3091   | 0.3021                | 24.47       | 2.23           | 95.19        | 226      | 19.99          |
| 567 | Cyclobalanopsis                | MSSH         | III                 | NS           | RD                         | 83.68    | 0.0976   | 0.8313   | 0.6831                | 16.61       | 2.57           | 81.24        | 16       | 10.94          |
| 568 | Cyclobalanopsis                | MSSH         | IV                  | P            | NRD                        | 113.50   | 0.0231   | -0.0884  | 0.3733                | 16.21       | 1.79           | 90.58        | 49       | 9.77           |
| 569 | Cyclobalanopsis                | MSSH         | IV                  | P            | PRD & RD                   | 240.00   | 0.0352   | 0.5824   | 0.5036                | 28.02       | 5.31           | 83.23        | 33       | 22.77          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 570 | Cyclobalanopsis                | MSSH         | IV                  | NS           | NRD                        | 99.51    | 0.0579   | 0.3880   | 0.6614                | 13.84       | 0.14           | 96.56        | 138      | 12.98          |
| 571 | Cyclobalanopsis                | MSSH         | IV                  | NS           | PRD                        | 65.75    | 0.0921   | 0.5342   | 0.4227                | 14.52       | 0.76           | 97.74        | 407      | 13.86          |
| 572 | Cyclobalanopsis                | MSSH         | IV                  | NS           | RD                         | 49.26    | 0.1148   | 0.7817   | 0.5218                | 11.12       | 0.80           | 87.57        | 27       | 6.69           |
| 573 | Cyclobalanopsis                | MSSH         | V                   | P            | *                          | 66.35    | 0.1340   | 0.8548   | 0.4182                | 16.63       | 1.04           | 86.32        | 22       | 16.50          |
| 574 | Cyclobalanopsis                | MSSH         | V                   | NS           | NRD                        | 72.12    | 0.1379   | 0.2604   | 0.4295                | 26.77       | 0.19           | 77.86        | 15       | 1.92           |
| 575 | Cyclobalanopsis                | MSSH         | V                   | NS           | PRD                        | 70.58    | 0.0543   | 0.2061   | 0.3074                | 16.01       | 1.02           | 92.95        | 66       | 6.50           |
| 576 | Cyclobalanopsis                | MSSH         | V                   | NS           | RD                         | 85.01    | 0.0267   | -0.3693  | 0.3984                | 20.64       | 0.77           | 72.40        | 13       | 8.34           |
| 577 | Cyclobalanopsis                | SSH          | II                  | P            | *                          | 150.00   | 0.0145   | -0.1996  | 0.6926                | 22.21       | 0.58           | 72.28        | 9        | 25.22          |
| 578 | Cyclobalanopsis                | SSH          | II                  | NS           | NRD                        | 140.00   | 0.0167   | -0.3129  | 0.5426                | 23.60       | 2.40           | 75.03        | 10       | 21.63          |
| 579 | Cyclobalanopsis                | SSH          | II                  | NS           | PRD & RD                   | 108.60   | 0.1806   | 0.8484   | 0.651                 | 29.58       | 1.37           | 42.01        | 5        | 36.74          |
| 580 | Cyclobalanopsis                | SSH          | III                 | P            | NRD                        | 51.33    | 0.0920   | 0.3564   | 0.3775                | 13.65       | 1.31           | 92.79        | 83       | 12.20          |
| 581 | Cyclobalanopsis                | SSH          | III                 | P            | PRD & RD                   | 58.22    | 0.1331   | -0.1654  | 0.3697                | 21.94       | 1.07           | 83.93        | 24       | 9.69           |
| 582 | Cyclobalanopsis                | SSH          | III                 | NS           | NRD                        | 96.75    | 0.0351   | -0.3936  | 0.5884                | 10.17       | 0.67           | 99.01        | 916      | 11.79          |
| 583 | Cyclobalanopsis                | SSH          | III                 | NS           | PRD                        | 200.00   | 0.0189   | 0.1081   | 0.4769                | 20.83       | 5.38           | 93.28        | 91       | 18.00          |
| 584 | Cyclobalanopsis                | SSH          | III                 | NS           | RD                         | 84.60    | 0.0557   | -0.0524  | 0.3674                | 14.59       | 1.15           | 96.57        | 179      | 14.19          |
| 585 | Cyclobalanopsis                | SSH          | IV                  | P            | NRD                        | 112.50   | 0.0324   | 0.2442   | 0.4307                | 14.63       | 5.70           | 89.73        | 42       | 19.72          |
| 586 | Cyclobalanopsis                | SSH          | IV                  | P            | PRD                        | 49.19    | 0.1862   | 0.3079   | 0.426                 | 17.43       | 2.18           | 83.63        | 21       | 19.79          |
| 587 | Cyclobalanopsis                | SSH          | IV                  | P            | RD                         | 77.79    | 0.1146   | 0.0560   | 0.5313                | 9.67        | 0.51           | 96.43        | 49       | 13.55          |
| 588 | Cyclobalanopsis                | SSH          | IV                  | NS           | NRD                        | 151.00   | 0.0102   | -0.7692  | 0.6148                | 11.24       | 2.00           | 98.53        | 410      | 12.15          |
| 589 | Cyclobalanopsis                | SSH          | IV                  | NS           | PRD                        | 67.80    | 0.1030   | 0.5402   | 0.3596                | 18.40       | 0.80           | 94.11        | 92       | 15.19          |
| 590 | Cyclobalanopsis                | SSH          | IV                  | NS           | RD                         | 73.35    | 0.1054   | -0.0583  | 0.3669                | 15.96       | 1.61           | 96.14        | 131      | 13.92          |
| 591 | Cyclobalanopsis                | SSH          | V                   | NS           | NRD                        | 100.90   | 0.0826   | 0.7172   | 0.4032                | 17.81       | 1.15           | 76.65        | 20       | 12.90          |
| 592 | Cyclobalanopsis                | SSH          | V                   | NS           | RD                         | 63.92    | 0.3081   | 0.9830   | 0.7321                | 12.75       | 0.09           | 79.83        | 10       | 14.26          |
| 593 | Cyclobalanopsis                | SSH          | V                   | *            | PRD                        | 50.17    | 0.1196   | 0.7525   | 0.4908                | 11.89       | 0.13           | 88.78        | 23       | 7.19           |
| 594 | Beech                          | MSH          | II & III            | NS           | NRD                        | 55.31    | 0.0387   | -0.9990  | 0.3256                | 21.24       | 0.40           | 86.77        | 41       | 18.49          |
| 595 | Beech                          | MSH          | III                 | P            | NRD                        | 410.00   | 0.0177   | 0.4711   | 0.7585                | 27.24       | 5.16           | 75.15        | 15       | 30.74          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 596 | Beech                          | MSH          | III                 | P            | PRD                        | 76.44    | 0.2699   | 0.7754   | 0.3394                | 29.32       | 0.31           | 75.32        | 13       | 16.85          |
| 597 | Beech                          | MSH          | III                 | NS           | PRD & RD                   | 111.80   | 0.4624   | 0.9999   | 0.9466                | 30.29       | 28.38          | 64.43        | 9        | 30.86          |
| 598 | Beech                          | MSH          | IV                  | P            | NRD                        | 109.00   | 0.0389   | 0.3231   | 0.3226                | 26.39       | 1.03           | 60.57        | 13       | 19.44          |
| 599 | Beech                          | MSH          | IV                  | P            | PRD                        | 139.90   | 0.0562   | -0.1306  | 0.9669                | 7.53        | 0.08           | 89.76        | 7        | 8.34           |
| 600 | Beech                          | MSH          | IV                  | NS           | NRD                        | 149.60   | 0.0164   | 0.1299   | 0.5962                | 18.45       | 0.27           | 91.46        | 59       | 17.22          |
| 601 | Beech                          | MSH          | IV                  | NS           | PRD                        | 144.80   | 0.0515   | 0.6292   | 0.3544                | 31.88       | 1.47           | 70.26        | 17       | 34.68          |
| 602 | Beech                          | MSH          | IV                  | NS           | RD                         | 118.90   | 0.2604   | 0.9979   | 0.6437                | 26.74       | 0.37           | 88.21        | 17       | 28.31          |
| 603 | Beech                          | MSH          | V                   | NS           | *                          | 69.30    | 0.6331   | 0.9986   | 0.4261                | 31.49       | 0.39           | 52.30        | 9        | 19.94          |
| 604 | Beech                          | MSSH         | II & III            | *            | *                          | 215.00   | 0.0296   | 0.5566   | 0.3047                | 26.93       | 12.87          | 44.60        | 6        | 27.98          |
| 605 | Beech                          | MSSH         | IV                  | *            | *                          | 57.51    | 0.1331   | 0.4730   | 0.38                  | 23.00       | 0.73           | 77.38        | 18       | 19.42          |
| 606 | Beech                          | SSH          | III                 | *            | *                          | 124.00   | 0.0800   | 0.8804   | 0.6205                | 15.17       | 4.32           | 44.44        | 4        | 19.28          |
| 607 | Birch                          | MSH          | II                  | P            | NRD                        | 72.38    | 0.0779   | 0.5162   | 0.4795                | 16.66       | 0.47           | 88.17        | 43       | 21.75          |
| 608 | Birch                          | MSH          | II                  | P            | PRD & RD                   | 47.67    | 0.9703   | -0.9501  | 0.3876                | 15.58       | 0.08           | 88.70        | 29       | 11.66          |
| 609 | Birch                          | MSH          | II                  | NS           | NRD                        | 55.00    | 0.0724   | -0.0541  | 0.3409                | 13.79       | 3.49           | 92.82        | 83       | 16.45          |
| 610 | Birch                          | MSH          | II                  | NS           | PRD & RD                   | 80.00    | 0.0761   | 0.2523   | 0.3966                | 23.11       | 5.60           | 87.53        | 54       | 22.70          |
| 611 | Birch                          | MSH          | III                 | P            | NRD                        | 79.92    | 0.0654   | 0.4446   | 0.5637                | 7.59        | 7.67           | 98.20        | 469      | 7.38           |
| 612 | Birch                          | MSH          | III                 | P            | PRD                        | 42.12    | 0.2100   | 0.5131   | 0.4402                | 7.75        | 2.20           | 98.42        | 495      | 7.35           |
| 613 | Birch                          | MSH          | III                 | P            | RD                         | 52.50    | 0.0969   | 0.2670   | 0.5148                | 9.58        | 2.69           | 93.92        | 58       | 10.27          |
| 614 | Birch                          | MSH          | III                 | NS           | NRD                        | 51.26    | 0.1721   | 0.4966   | 0.6288                | 6.06        | 0.10           | 99.31        | 1316     | 6.50           |
| 615 | Birch                          | MSH          | III                 | NS           | PRD                        | 47.50    | 0.1619   | 0.3291   | 0.5555                | 5.94        | 0.01           | 99.10        | 825      | 5.81           |
| 616 | Birch                          | MSH          | III                 | NS           | RD                         | 180.00   | 0.0198   | 0.2002   | 0.5869                | 15.61       | 6.38           | 94.24        | 130      | 13.89          |
| 617 | Birch                          | MSH          | IV                  | P            | NRD                        | 39.63    | 0.1001   | -0.9649  | 0.3191                | 7.93        | 0.37           | 97.41        | 229      | 9.50           |
| 618 | Birch                          | MSH          | IV                  | P            | PRD                        | 47.54    | 0.0820   | -0.3469  | 0.481                 | 5.61        | 0.01           | 98.34        | 262      | 5.38           |
| 619 | Birch                          | MSH          | IV                  | P            | RD                         | 53.74    | 0.0593   | 0.0877   | 0.3462                | 11.32       | 0.67           | 91.74        | 63       | 9.07           |
| 620 | Birch                          | MSH          | IV                  | NS           | NRD                        | 47.55    | 0.1291   | 0.2619   | 0.545                 | 5.84        | 0.03           | 99.20        | 1104     | 5.84           |
| 621 | Birch                          | MSH          | IV                  | NS           | PRD                        | 59.68    | 0.0297   | -0.7535  | 0.4392                | 5.76        | 0.26           | 99.00        | 939      | 5.56           |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 622 | Birch                          | MSH          | IV                  | NS           | RD                         | 210.00   | 0.0105   | −0.0451  | 0.3041                | 23.73       | 5.19           | 95.13        | 556      | 26.79          |
| 623 | Birch                          | MSH          | V                   | P            | *                          | 66.80    | 0.1294   | 0.7269   | 0.4412                | 14.04       | 0.03           | 80.33        | 17       | 12.15          |
| 624 | Birch                          | MSH          | V                   | NS           | NRD                        | 57.32    | 0.0218   | −0.9287  | 0.414                 | 10.32       | 0.67           | 91.18        | 51       | 7.35           |
| 625 | Birch                          | MSH          | V                   | NS           | PRD                        | 31.21    | 0.5375   | 0.2983   | 0.37                  | 12.07       | 0.24           | 87.34        | 32       | 16.13          |
| 626 | Birch                          | MSH          | V                   | NS           | RD                         | 127.00   | 0.0265   | 0.1919   | 0.3558                | 13.35       | 2.50           | 80.52        | 25       | 8.03           |
| 627 | Birch                          | MSSH         | II                  | P            | *                          | 197.50   | 0.0500   | 0.5699   | 0.8228                | 12.19       | 1.99           | 82.39        | 12       | 13.95          |
| 628 | Birch                          | MSSH         | II                  | NS           | NRD                        | 160.00   | 0.0343   | 0.0551   | 0.5163                | 19.66       | 2.55           | 77.66        | 14       | 14.20          |
| 629 | Birch                          | MSSH         | II                  | NS           | PRD & RD                   | 52.50    | 0.1957   | 0.6245   | 0.3267                | 14.07       | 0.54           | 82.56        | 17       | 20.20          |
| 630 | Birch                          | MSSH         | III                 | P            | NRD                        | 45.22    | 0.2205   | 0.4904   | 0.552                 | 5.64        | 0.00           | 98.13        | 164      | 5.95           |
| 631 | Birch                          | MSSH         | III                 | P            | PRD                        | 67.19    | 0.1284   | 0.5496   | 0.4281                | 12.52       | 1.44           | 96.03        | 137      | 12.64          |
| 632 | Birch                          | MSSH         | III                 | P            | RD                         | 28.53    | 0.1974   | −0.6773  | 0.6253                | 5.56        | 0.59           | 88.50        | 14       | 11.02          |
| 633 | Birch                          | MSSH         | III                 | NS           | NRD                        | 65.46    | 0.1085   | 0.1559   | 0.6483                | 8.26        | 0.02           | 98.71        | 538      | 8.77           |
| 634 | Birch                          | MSSH         | III                 | NS           | PRD                        | 52.49    | 0.0851   | −0.1783  | 0.4228                | 8.65        | 1.79           | 97.86        | 325      | 8.58           |
| 635 | Birch                          | MSSH         | III                 | NS           | RD                         | 84.99    | 0.0121   | −0.9761  | 0.3473                | 15.66       | 3.38           | 87.02        | 35       | 12.79          |
| 636 | Birch                          | MSSH         | IV                  | P            | NRD                        | 41.27    | 0.2113   | 0.5222   | 0.4071                | 7.15        | 0.17           | 96.60        | 103      | 5.59           |
| 637 | Birch                          | MSSH         | IV                  | P            | PRD                        | 63.75    | 0.1087   | 0.4395   | 0.4111                | 11.16       | 0.32           | 95.15        | 98       | 11.52          |
| 638 | Birch                          | MSSH         | IV                  | P            | RD                         | 57.50    | 0.0362   | 0.2068   | 0.6554                | 5.40        | 5.00           | 50.34        | 6        | 8.26           |
| 639 | Birch                          | MSSH         | IV                  | NS           | NRD                        | 68.20    | 0.1281   | 0.3712   | 0.5806                | 10.17       | 0.12           | 97.90        | 246      | 11.60          |
| 640 | Birch                          | MSSH         | IV                  | NS           | PRD                        | 51.18    | 0.1070   | −0.0649  | 0.4226                | 8.16        | 0.09           | 97.96        | 278      | 7.87           |
| 641 | Birch                          | MSSH         | IV                  | NS           | RD                         | 67.50    | 0.0393   | −0.1764  | 0.3019                | 15.14       | 3.27           | 80.94        | 19       | 20.92          |
| 642 | Birch                          | MSSH         | V                   | *            | *                          | 109.00   | 0.0216   | −0.1961  | 0.4273                | 17.74       | 1.90           | 77.17        | 18       | 16.56          |
| 643 | Birch                          | SSH          | II                  | *            | *                          | 84.12    | 0.1084   | 0.5355   | 0.3848                | 23.31       | 0.34           | 63.48        | 11       | 9.63           |
| 644 | Birch                          | SSH          | III                 | P            | NRD                        | 51.70    | 0.1792   | 0.3940   | 0.5461                | 10.01       | 2.28           | 89.99        | 22       | 13.27          |
| 645 | Birch                          | SSH          | III                 | P            | PRD                        | 195.00   | 0.0418   | 0.5489   | 0.9799                | 4.93        | 0.35           | 86.20        | 6        | 7.72           |
| 646 | Birch                          | SSH          | III                 | P            | RD                         | 180.00   | 0.0409   | 0.5846   | 0.3569                | 14.03       | 1.63           | 68.83        | 14       | 15.12          |
| 647 | Birch                          | SSH          | III                 | NS           | NRD                        | 62.51    | 0.1857   | 0.5444   | 0.3146                | 13.61       | 0.94           | 97.75        | 371      | 13.88          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 648 | Birch                          | SSH          | III                 | NS           | PRD                        | 70.00    | 0.0953   | 0.3093   | 0.3401                | 32.06       | 1.87           | 80.70        | 37       | 16.48                              |
| 649 | Birch                          | SSH          | III                 | NS           | RD                         | 45.64    | 0.9878   | -0.9846  | 0.3304                | 9.28        | 0.00           | 94.81        | 48       | 7.06                               |
| 650 | Birch                          | SSH          | IV                  | P            | *                          | 45.51    | 0.0719   | -0.8110  | 0.411                 | 10.22       | 0.63           | 92.32        | 48       | 8.07                               |
| 651 | Birch                          | SSH          | IV                  | NS           | NRD                        | 51.27    | 0.1040   | -0.7228  | 0.4266                | 7.79        | 0.00           | 97.92        | 206      | 7.34                               |
| 652 | Birch                          | SSH          | IV                  | NS           | PRD                        | 130.70   | 0.0289   | 0.0416   | 0.5766                | 16.50       | 3.77           | 80.52        | 15       | 8.91                               |
| 653 | Birch                          | SSH          | IV                  | NS           | RD                         | 47.72    | 0.2016   | 0.4435   | 0.3874                | 18.75       | 1.55           | 83.00        | 24       | 13.79                              |
| 654 | Birch                          | SSH          | V                   | *            | *                          | 55.00    | 0.0561   | -0.1341  | 0.4164                | 9.92        | 3.56           | 82.18        | 13       | 7.37                               |
| 655 | Basswood                       | *            | *                   | *            | *                          | 170.00   | 0.0263   | 0.3703   | 0.3881                | 25.06       | 5.17           | 65.85        | 19       | 24.95                              |
| 656 | Locust                         | MSH          | II                  | P            | NRD                        | 270.00   | 0.0053   | -0.3225  | 0.3996                | 26.46       | 0.51           | 83.07        | 51       | 9.65                               |
| 657 | Locust                         | MSH          | II                  | P            | PRD & RD                   | 72.18    | 0.5077   | 0.9917   | 0.8777                | 9.03        | 0.11           | 85.00        | 8        | 3.66                               |
| 658 | Locust                         | MSH          | II                  | NS           | NRD                        | 80.22    | 0.0176   | -0.7892  | 0.3616                | 16.17       | 0.16           | 80.15        | 17       | 12.52                              |
| 659 | Locust                         | MSH          | III                 | P            | NRD                        | 53.22    | 0.1980   | 0.7050   | 0.5259                | 7.32        | 0.02           | 98.70        | 486      | 8.47                               |
| 660 | Locust                         | MSH          | III                 | P            | PRD                        | 33.33    | 0.9998   | 0.9968   | 0.4127                | 8.48        | 0.02           | 94.10        | 60       | 6.76                               |
| 661 | Locust                         | MSH          | III                 | P            | RD                         | 76.65    | 0.1848   | 0.8516   | 0.3611                | 25.72       | 1.12           | 78.07        | 21       | 15.01                              |
| 662 | Locust                         | MSH          | III                 | NS           | NRD                        | 30.63    | 0.2396   | 0.7081   | 0.3722                | 6.28        | 0.05           | 95.60        | 78       | 8.37                               |
| 663 | Locust                         | MSH          | III                 | NS           | PRD                        | 40.41    | 0.1045   | 0.3692   | 0.4131                | 10.49       | 0.21           | 86.22        | 22       | 15.42                              |
| 664 | Locust                         | MSH          | III                 | NS           | RD                         | 97.19    | 0.0879   | 0.7146   | 0.3584                | 36.17       | 1.64           | 48.49        | 10       | 9.57                               |
| 665 | Locust                         | MSH          | IV                  | P            | NRD                        | 38.68    | 0.5540   | 0.9812   | 0.3854                | 7.02        | 0.21           | 98.58        | 491      | 7.29                               |
| 666 | Locust                         | MSH          | IV                  | P            | PRD                        | 79.52    | 0.0099   | -0.8122  | 0.354                 | 7.68        | 0.40           | 96.49        | 207      | 6.77                               |
| 667 | Locust                         | MSH          | IV                  | P            | RD                         | 111.20   | 0.0102   | -0.4879  | 0.5365                | 9.16        | 0.80           | 92.62        | 48       | 9.53                               |
| 668 | Locust                         | MSH          | IV                  | NS           | NRD                        | 28.34    | 0.4264   | 0.8897   | 0.3398                | 7.42        | 0.01           | 96.20        | 148      | 7.10                               |
| 669 | Locust                         | MSH          | IV                  | NS           | PRD                        | 30.18    | 0.2610   | 0.5026   | 0.3293                | 13.11       | 0.62           | 86.27        | 36       | 8.97                               |
| 670 | Locust                         | MSH          | IV                  | NS           | RD                         | 100.70   | 0.0434   | 0.4944   | 0.9895                | 2.86        | 0.17           | 91.51        | 7        | 4.97                               |
| 671 | Locust                         | MSH          | V                   | P            | NRD                        | 52.60    | 0.2957   | 0.9169   | 0.5348                | 9.50        | 0.15           | 94.87        | 65       | 9.46                               |
| 672 | Locust                         | MSH          | V                   | P            | PRD & RD                   | 64.49    | 0.0394   | 0.2094   | 0.339                 | 10.52       | 1.47           | 82.88        | 23       | 6.98                               |
| 673 | Locust                         | MSH          | V                   | NS           | *                          | 26.53    | 0.2331   | 0.8954   | 0.4716                | 7.39        | 0.61           | 85.87        | 23       | 11.83                              |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 674 | Locust                         | MSSH         | III                 | P            | *                          | 30.05    | 0.9959   | -0.9645  | 0.4866                | 9.70        | 0.03           | 72.42        | 9        | 5.03                               |
| 675 | Locust                         | MSSH         | III                 | NS           | NRD                        | 45.90    | 0.5330   | 0.9784   | 0.9928                | 1.10        | 0.09           | 94.21        | 7        | 2.80                               |
| 676 | Locust                         | MSSH         | III                 | NS           | PRD                        | 50.57    | 0.0477   | 0.3935   | 0.9896                | 1.36        | 0.06           | 92.50        | 6        | 1.66                               |
| 677 | Locust                         | MSSH         | IV                  | P            | *                          | 50.27    | 0.0774   | -0.4473  | 0.4192                | 17.68       | 0.49           | 75.70        | 15       | 15.67                              |
| 678 | Locust                         | MSSH         | IV                  | NS           | *                          | 42.28    | 0.0515   | -0.6440  | 0.5199                | 10.11       | 0.02           | 77.60        | 10       | 5.39                               |
| 679 | Locust                         | MSSH         | V                   | *            | *                          | 55.00    | 0.0905   | 0.8572   | 0.4511                | 9.07        | 3.11           | 41.64        | 6        | 11.10                              |
| 680 | Locust                         | SSH          | III                 | *            | *                          | 25.86    | 0.6608   | 0.9533   | 0.5079                | 6.36        | 0.04           | 86.95        | 16       | 3.55                               |
| 681 | Locust                         | SSH          | IV & V              | *            | *                          | 70.26    | 0.0475   | 0.3053   | 0.7266                | 8.31        | 0.02           | 89.92        | 17       | 1.98                               |
| 682 | Katus                          | MSH          | II                  | *            | *                          | 85.00    | 0.0551   | 0.6355   | 0.338                 | 19.84       | 1.34           | 78.30        | 28       | 13.73                              |
| 683 | Katus                          | MSH          | III                 | P            | NRD                        | 124.00   | 0.0209   | -0.0117  | 0.4169                | 20.91       | 1.10           | 90.30        | 49       | 25.05                              |
| 684 | Katus                          | MSH          | III                 | P            | PRD & RD                   | 77.50    | 0.1735   | 0.8835   | 0.3649                | 34.07       | 2.37           | 74.30        | 17       | 14.99                              |
| 685 | Katus                          | MSH          | III                 | NS           | NRD                        | 135.00   | 0.0304   | 0.4849   | 0.7537                | 13.70       | 2.15           | 98.08        | 457      | 15.14                              |
| 686 | Katus                          | MSH          | III                 | NS           | PRD                        | 85.71    | 0.0591   | -0.1354  | 0.3964                | 31.15       | 0.00           | 84.82        | 28       | 28.17                              |
| 687 | Katus                          | MSH          | III                 | NS           | RD                         | 180.00   | 0.0180   | -0.2886  | 0.3787                | 35.22       | 1.99           | 70.28        | 16       | 36.11                              |
| 688 | Katus                          | MSH          | IV                  | P            | NRD                        | 130.00   | 0.0208   | -0.4003  | 0.3241                | 25.89       | 3.40           | 86.09        | 29       | 22.90                              |
| 689 | Katus                          | MSH          | IV                  | P            | PRD & RD                   | 208.00   | 0.0460   | 0.4736   | 0.3206                | 32.26       | 1.20           | 43.98        | 9        | 13.93                              |
| 690 | Katus                          | MSH          | IV                  | NS           | NRD                        | 146.70   | 0.0167   | 0.0937   | 0.5361                | 18.90       | 0.47           | 97.24        | 310      | 19.08                              |
| 691 | Katus                          | MSH          | IV                  | NS           | PRD                        | 66.17    | 0.0834   | 0.5948   | 0.4286                | 19.97       | 2.97           | 86.24        | 32       | 21.21                              |
| 692 | Katus                          | MSH          | IV                  | NS           | RD                         | 102.50   | 0.0543   | 0.5572   | 0.3575                | 27.09       | 0.65           | 87.59        | 22       | 30.57                              |
| 693 | Katus                          | MSH          | V                   | *            | *                          | 66.48    | 0.0231   | 0.0408   | 0.4255                | 11.24       | 1.42           | 83.97        | 18       | 4.76                               |
| 694 | Katus                          | MSSH         | *                   | *            | *                          | 52.17    | 0.1699   | 0.8493   | 0.4222                | 18.58       | 0.39           | 61.73        | 8        | 11.51                              |
| 695 | Katus                          | SSH          | III                 | P            | NRD                        | 60.53    | 0.0643   | -2.0530  | 0.5401                | 18.96       | 0.28           | 51.28        | 6        | 21.10                              |
| 696 | Katus                          | SSH          | III                 | NS           | NRD                        | 115.00   | 0.0895   | 0.3625   | 0.3572                | 37.39       | 1.16           | 89.62        | 46       | 33.02                              |
| 697 | Katus                          | SSH          | III                 | NS           | PRD                        | 206.00   | 0.0681   | 0.7869   | 0.7003                | 26.91       | 3.19           | 63.83        | 7        | 27.84                              |
| 698 | Katus                          | SSH          | III                 | NS           | RD                         | 225.50   | 0.0318   | 0.5611   | 0.3796                | 36.92       | 4.59           | 63.28        | 17       | 23.38                              |
| 699 | Katus                          | SSH          | IV                  | NS           | RD                         | 30.24    | 0.7926   | -0.3962  | 0.3606                | 8.20        | 3.11           | 89.41        | 24       | 10.68                              |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 700 | Katus                          | SSH          | IV                  | *            | NRD & PRD                  | 60.72    | 0.1226   | 0.5114   | 0.5629                | 11.06       | 0.38           | 92.82        | 29       | 11.51                              |
| 701 | Katus                          | SSH          | V                   | *            | *                          | 168.10   | 0.1854   | 0.9660   | 0.9978                | 2.11        | 0.34           | 92.65        | 6        | 2.27                               |
| 702 | Maple                          | MSH          | II                  | *            | *                          | 115.00   | 0.0736   | 0.7767   | 0.9439                | 5.90        | 1.18           | 60.67        | 6        | 6.60                               |
| 703 | Maple                          | MSH          | III                 | P            | NRD                        | 57.78    | 0.1224   | 0.8692   | 0.4085                | 16.85       | 3.23           | 43.16        | 10       | 12.91                              |
| 704 | Maple                          | MSH          | III                 | P            | PRD & RD                   | 50.00    | 0.0499   | 0.6118   | 0.3233                | 7.88        | 3.01           | 60.05        | 9        | 6.76                               |
| 705 | Maple                          | MSH          | III                 | NS           | *                          | 218.00   | 0.0143   | 0.3365   | 0.9427                | 11.00       | 1.49           | 92.37        | 25       | 12.57                              |
| 706 | Maple                          | MSH          | IV                  | NS           | NRD                        | 168.00   | 0.0422   | 0.6975   | 0.5358                | 19.08       | 1.44           | 74.51        | 24       | 22.26                              |
| 707 | Maple                          | MSH          | IV & V              | P            | *                          | 77.20    | 0.0025   | -1.6920  | 0.3932                | 11.98       | 1.42           | 73.23        | 14       | 7.35                               |
| 708 | Maple                          | MSH          | IV & V              | NS           | PRD & RD                   | 181.00   | 0.0192   | 0.4681   | 0.8476                | 17.43       | 10.28          | 80.32        | 16       | 22.44                              |
| 709 | Maple                          | MSSH         | III                 | *            | *                          | 28.50    | 2.7490   | 0.5472   | 0.3136                | 13.25       | 0.00           | 60.30        | 9        | 6.84                               |
| 710 | Maple                          | MSSH         | IV                  | P            | *                          | 28.87    | 0.4029   | 0.9780   | 0.4015                | 10.81       | 0.42           | 72.93        | 13       | 2.49                               |
| 711 | Maple                          | MSSH         | IV                  | NS           | *                          | 38.23    | 0.3609   | 0.9455   | 0.3779                | 14.10       | 1.19           | 76.51        | 14       | 10.08                              |
| 712 | Maple                          | SSH          | III                 | *            | *                          | 31.05    | 0.9607   | 0.9894   | 0.9424                | 2.81        | 0.00           | 87.07        | 6        | 1.80                               |
| 713 | Maple                          | SSH          | IV                  | *            | *                          | 59.09    | 0.1539   | 0.8472   | 0.4141                | 21.60       | 0.24           | 73.53        | 17       | 18.28                              |
| 714 | Maple                          | SSH          | V                   | *            | *                          | 63.41    | 0.1003   | 0.9365   | 0.5312                | 14.25       | 0.42           | 60.09        | 9        | 7.08                               |
| 715 | Melia                          | MSH          | II                  | P            | *                          | 84.89    | 0.0072   | -2.2880  | 0.3335                | 30.43       | 2.36           | 42.16        | 9        | 22.20                              |
| 716 | Melia                          | MSH          | II                  | NS           | *                          | 35.97    | 0.8699   | -0.4426  | 0.4424                | 22.38       | 0.01           | 42.97        | 6        | 26.62                              |
| 717 | Melia                          | MSH          | III                 | P            | *                          | 105.40   | 0.0196   | -0.3651  | 0.3531                | 20.72       | 2.03           | 88.85        | 57       | 20.83                              |
| 718 | Melia                          | MSH          | III                 | NS           | *                          | 177.40   | 0.0174   | 0.2817   | 0.4908                | 22.68       | 0.84           | 82.71        | 49       | 14.70                              |
| 719 | Melia                          | MSH          | IV                  | P            | *                          | 37.08    | 0.1235   | 0.1438   | 0.3569                | 11.55       | 0.13           | 91.81        | 64       | 10.64                              |
| 720 | Melia                          | MSH          | IV                  | NS           | *                          | 231.00   | 0.0118   | 0.2431   | 0.3221                | 24.19       | 5.91           | 87.48        | 110      | 25.77                              |
| 721 | Melia                          | MSH          | V                   | *            | *                          | 89.50    | 0.0266   | 0.3785   | 0.4078                | 15.87       | 5.12           | 69.80        | 22       | 6.76                               |
| 722 | Melia                          | MSSH         | III                 | P            | *                          | 30.35    | 0.2323   | -0.1881  | 0.3709                | 11.72       | 0.83           | 77.88        | 16       | 8.03                               |
| 723 | Melia                          | MSSH         | III                 | NS           | *                          | 73.74    | 0.0191   | -0.8303  | 0.5441                | 7.97        | 2.43           | 87.81        | 17       | 11.16                              |
| 724 | Melia                          | MSSH         | IV                  | P            | *                          | 61.99    | 0.0326   | -0.1533  | 0.4455                | 10.66       | 2.67           | 81.09        | 19       | 7.28                               |
| 725 | Melia                          | MSSH         | IV                  | NS           | *                          | 38.75    | 0.1140   | 0.0887   | 0.3182                | 12.59       | 0.02           | 80.67        | 21       | 15.49                              |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 726 | Melia                          | MSSH         | V                   | *            | *                          | 80.50    | 0.0863   | 0.6111   | 0.8706                | 7.10        | 1.23           | 66.72        | 5        | 6.70           |
| 727 | Melia                          | SSH          | II & III            | P            | *                          | 47.78    | 0.9854   | -0.9911  | 0.3043                | 19.25       | 0.10           | 75.40        | 13       | 17.11          |
| 728 | Melia                          | SSH          | III                 | NS           | *                          | 32.41    | 0.8698   | -0.9995  | 0.3783                | 15.16       | 0.00           | 79.35        | 20       | 8.37           |
| 729 | Melia                          | SSH          | IV                  | P            | NRD                        | 112.50   | 0.0397   | 0.1120   | 0.8031                | 8.06        | 0.37           | 92.02        | 17       | 12.49          |
| 730 | Melia                          | SSH          | IV                  | P            | PRD                        | 35.66    | 0.3506   | 0.8461   | 0.6593                | 7.33        | 1.90           | 87.24        | 14       | 6.23           |
| 731 | Melia                          | SSH          | IV                  | NS           | NRD                        | 69.99    | 0.0492   | 0.1021   | 0.4878                | 11.68       | 2.00           | 76.55        | 12       | 17.31          |
| 732 | Melia                          | SSH          | IV                  | NS           | PRD                        | 47.70    | 0.1637   | 0.7936   | 0.7565                | 6.43        | 0.03           | 92.08        | 18       | 2.76           |
| 733 | Melia                          | SSH          | IV                  | NS           | RD                         | 33.73    | 0.1673   | 0.0154   | 0.304                 | 12.27       | 0.33           | 79.01        | 15       | 6.63           |
| 734 | Melia                          | SSH          | V                   | *            | *                          | 55.77    | 0.2034   | 0.8979   | 0.9006                | 5.06        | 0.46           | 90.57        | 9        | 7.63           |
| 735 | Chinese toon                   | MSH          | II                  | P            | NRD                        | 196.50   | 0.0236   | 0.4103   | 0.378                 | 14.97       | 5.61           | 91.08        | 69       | 17.47          |
| 736 | Chinese toon                   | MSH          | II                  | P            | PRD & RD                   | 32.52    | 0.3233   | 0.8660   | 0.3915                | 12.51       | 0.37           | 84.00        | 24       | 13.53          |
| 737 | Chinese toon                   | MSH          | II                  | NS           | *                          | 40.91    | 0.0211   | -2.9670  | 0.43                  | 10.75       | 0.24           | 85.90        | 22       | 12.42          |
| 738 | Chinese toon                   | MSH          | III                 | P            | NRD                        | 81.31    | 0.0273   | -0.5261  | 0.5075                | 7.80        | 0.01           | 98.76        | 519      | 7.80           |
| 739 | Chinese toon                   | MSH          | III                 | P            | PRD                        | 107.20   | 0.0100   | -0.6425  | 0.3097                | 11.11       | 0.62           | 96.32        | 206      | 8.67           |
| 740 | Chinese toon                   | MSH          | III                 | P            | RD                         | 106.00   | 0.0080   | -1.5010  | 0.3596                | 18.76       | 0.98           | 88.37        | 38       | 22.69          |
| 741 | Chinese toon                   | MSH          | III                 | NS           | NRD                        | 40.41    | 0.2163   | 0.6411   | 0.4074                | 8.33        | 0.02           | 96.81        | 141      | 11.36          |
| 742 | Chinese toon                   | MSH          | III                 | NS           | PRD                        | 53.66    | 0.1053   | 0.3859   | 0.4165                | 16.63       | 0.33           | 88.62        | 40       | 9.03           |
| 743 | Chinese toon                   | MSH          | III                 | NS           | RD                         | 114.50   | 0.0353   | 0.1710   | 0.3355                | 20.22       | 1.37           | 81.18        | 21       | 16.14          |
| 744 | Chinese toon                   | MSH          | IV                  | P            | NRD                        | 98.24    | 0.0228   | -0.3242  | 0.6254                | 6.36        | 0.37           | 98.82        | 440      | 6.59           |
| 745 | Chinese toon                   | MSH          | IV                  | P            | PRD                        | 80.99    | 0.0355   | 0.0211   | 0.494                 | 10.83       | 1.48           | 96.69        | 215      | 8.76           |
| 746 | Chinese toon                   | MSH          | IV                  | P            | RD                         | 55.67    | 0.0972   | 0.2164   | 0.321                 | 12.04       | 0.06           | 95.15        | 93       | 10.33          |
| 747 | Chinese toon                   | MSH          | IV                  | NS           | NRD                        | 44.47    | 0.0779   | -0.6793  | 0.3619                | 10.44       | 0.06           | 96.63        | 213      | 10.10          |
| 748 | Chinese toon                   | MSH          | IV                  | NS           | PRD                        | 52.37    | 0.0128   | -1.6080  | 0.3899                | 8.67        | 0.21           | 93.03        | 62       | 8.79           |
| 749 | Chinese toon                   | MSH          | IV                  | NS           | RD                         | 59.85    | 0.1455   | 0.7524   | 0.499                 | 15.69       | 0.07           | 82.55        | 23       | 9.59           |
| 750 | Chinese toon                   | MSH          | V                   | P            | NRD                        | 70.20    | 0.0500   | -0.0746  | 0.3934                | 13.20       | 0.03           | 88.63        | 28       | 18.29          |
| 751 | Chinese toon                   | MSH          | V                   | P            | PRD                        | 76.18    | 0.1552   | 0.8146   | 0.4555                | 22.56       | 0.51           | 81.57        | 20       | 16.09          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 752 | Chinese toon                   | MSH          | V                   | P            | RD                         | 50.83    | 0.2877   | 0.9289   | 0.3869                | 13.50       | 0.03           | 88.99        | 26       | 12.31          |
| 753 | Chinese toon                   | MSH          | V                   | NS           | NRD                        | 40.82    | 0.2026   | 0.7824   | 0.4478                | 11.84       | 0.12           | 82.77        | 19       | 5.27           |
| 754 | Chinese toon                   | MSH          | V                   | NS           | PRD & RD                   | 33.39    | 0.2929   | 0.4715   | 0.547                 | 7.52        | 0.04           | 87.56        | 15       | 11.02          |
| 755 | Chinese toon                   | MSSH         | II                  | P            | NRD                        | 88.98    | 0.0205   | -0.3514  | 0.3993                | 16.44       | 3.67           | 73.92        | 12       | 8.56           |
| 756 | Chinese toon                   | MSSH         | II                  | *            | PRD                        | 42.59    | 0.1784   | 0.6657   | 0.6993                | 8.44        | 0.18           | 82.56        | 10       | 11.19          |
| 757 | Chinese toon                   | MSSH         | III                 | P            | NRD                        | 99.15    | 0.0246   | -0.2640  | 0.5442                | 8.91        | 0.00           | 97.08        | 123      | 9.53           |
| 758 | Chinese toon                   | MSSH         | III                 | P            | PRD                        | 59.81    | 0.0972   | 0.2566   | 0.3588                | 12.29       | 0.02           | 94.35        | 68       | 10.45          |
| 759 | Chinese toon                   | MSSH         | III                 | P            | RD                         | 43.12    | 0.3338   | 0.9646   | 0.8263                | 5.39        | 0.03           | 91.28        | 12       | 10.71          |
| 760 | Chinese toon                   | MSSH         | III                 | NS           | NRD                        | 69.66    | 0.1146   | 0.7323   | 0.3699                | 23.77       | 0.36           | 59.19        | 10       | 17.62          |
| 761 | Chinese toon                   | MSSH         | III                 | NS           | PRD & RD                   | 18.55    | 0.9896   | -0.9974  | 0.386                 | 8.45        | 0.08           | 79.89        | 20       | 11.96          |
| 762 | Chinese toon                   | MSSH         | IV                  | P            | NRD                        | 44.70    | 0.1121   | 0.2718   | 0.4205                | 6.68        | 0.02           | 98.01        | 221      | 6.70           |
| 763 | Chinese toon                   | MSSH         | IV                  | P            | PRD & RD                   | 127.50   | 0.0295   | 0.2468   | 0.5989                | 12.46       | 2.26           | 93.30        | 69       | 15.64          |
| 764 | Chinese toon                   | MSSH         | IV                  | NS           | NRD                        | 55.63    | 0.2752   | 0.9806   | 0.4408                | 15.05       | 0.45           | 84.02        | 18       | 15.25          |
| 765 | Chinese toon                   | MSSH         | IV                  | NS           | PRD & RD                   | 39.04    | 0.0912   | -0.2397  | 0.3688                | 17.93       | 1.24           | 81.14        | 32       | 11.21          |
| 766 | Chinese toon                   | MSSH         | V                   | P            | NRD                        | 26.61    | 0.1192   | 0.5360   | 0.5676                | 5.54        | 0.02           | 87.40        | 17       | 8.54           |
| 767 | Chinese toon                   | MSSH         | V                   | P            | PRD & RD                   | 183.00   | 0.0470   | 0.7447   | 0.3898                | 20.93       | 8.75           | 73.02        | 19       | 9.40           |
| 768 | Chinese toon                   | SSH          | II                  | *            | *                          | 65.63    | 0.2857   | 0.9682   | 0.4364                | 26.95       | 5.11           | 53.59        | 8        | 13.02          |
| 769 | Chinese toon                   | SSH          | III                 | P            | NRD                        | 102.50   | 0.0187   | -0.2548  | 0.3003                | 21.44       | 2.29           | 91.24        | 106      | 18.20          |
| 770 | Chinese toon                   | SSH          | III                 | P            | PRD                        | 97.67    | 0.0575   | 0.4637   | 0.5115                | 15.22       | 1.56           | 81.69        | 15       | 11.40          |
| 771 | Chinese toon                   | SSH          | III                 | P            | RD                         | 52.62    | 0.0805   | -0.1097  | 0.3805                | 18.60       | 0.06           | 83.44        | 27       | 10.80          |
| 772 | Chinese toon                   | SSH          | III                 | NS           | NRD                        | 41.98    | 0.2618   | 0.3398   | 0.3258                | 10.49       | 0.03           | 91.93        | 34       | 11.92          |
| 773 | Chinese toon                   | SSH          | III                 | NS           | PRD & RD                   | 57.12    | 0.1714   | 0.7096   | 0.4957                | 11.94       | 0.20           | 93.73        | 55       | 16.57          |
| 774 | Chinese toon                   | SSH          | IV                  | P            | NRD                        | 37.02    | 0.1341   | -0.9984  | 0.3492                | 11.09       | 0.13           | 92.85        | 60       | 11.85          |
| 775 | Chinese toon                   | SSH          | IV                  | P            | PRD                        | 216.40   | 0.0264   | 0.3858   | 0.8696                | 9.42        | 0.20           | 90.22        | 16       | 2.20           |
| 776 | Chinese toon                   | SSH          | IV                  | P            | RD                         | 211.20   | 0.0063   | -0.5673  | 0.4373                | 15.47       | 2.46           | 83.91        | 18       | 7.41           |
| 777 | Chinese toon                   | SSH          | IV                  | NS           | NRD                        | 45.27    | 0.9574   | -0.9032  | 0.3496                | 20.04       | 0.04           | 84.36        | 28       | 19.60          |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 778 | Chinese toon                   | SSH          | IV                  | NS           | PRD                        | 119.50   | 0.2187   | 0.9670   | 0.3726                | 36.21       | 2.28           | 41.48        | 7        | 37.86                              |
| 779 | Chinese toon                   | SSH          | IV                  | NS           | RD                         | 151.50   | 0.0293   | 0.3308   | 0.3134                | 22.92       | 5.14           | 78.43        | 23       | 24.52                              |
| 780 | Chinese toon                   | SSH          | V                   | *            | *                          | 46.23    | 0.0548   | -2.1660  | 0.3834                | 14.32       | 0.15           | 76.14        | 12       | 10.79                              |
| 781 | Elm                            | MSH          | II                  | P            | *                          | 90.00    | 0.0205   | 0.1560   | 0.4594                | 14.26       | 4.01           | 62.84        | 9        | 13.24                              |
| 782 | Elm                            | MSH          | II                  | NS           | *                          | 75.00    | 0.0225   | -0.0203  | 0.3364                | 17.77       | 2.04           | 80.89        | 32       | 7.24                               |
| 783 | Elm                            | MSH          | III                 | P            | NRD                        | 38.75    | 0.1091   | 0.5806   | 0.397                 | 13.78       | 0.98           | 88.87        | 59       | 7.28                               |
| 784 | Elm                            | MSH          | III                 | P            | PRD & RD                   | 29.98    | 0.0825   | -1.0080  | 0.3681                | 11.53       | 4.35           | 85.47        | 31       | 10.48                              |
| 785 | Elm                            | MSH          | III                 | NS           | NRD                        | 50.00    | 0.0177   | -0.6530  | 0.3562                | 7.70        | 1.15           | 96.61        | 232      | 9.39                               |
| 786 | Elm                            | MSH          | III                 | NS           | PRD                        | 53.91    | 0.0202   | -0.8282  | 0.3566                | 11.91       | 0.81           | 92.54        | 85       | 9.52                               |
| 787 | Elm                            | MSH          | III                 | NS           | RD                         | 40.63    | 0.0530   | -0.5751  | 0.4723                | 11.22       | 1.25           | 42.30        | 6        | 3.92                               |
| 788 | Elm                            | MSH          | IV                  | P            | NRD                        | 140.00   | 0.0127   | 0.1745   | 0.74                  | 10.59       | 7.83           | 85.98        | 33       | 14.21                              |
| 789 | Elm                            | MSH          | IV                  | P            | PRD & RD                   | 75.00    | 0.0226   | 0.0181   | 0.3969                | 11.33       | 8.17           | 75.91        | 16       | 10.89                              |
| 790 | Elm                            | MSH          | IV                  | NS           | NRD                        | 95.00    | 0.0110   | -0.0541  | 0.3602                | 7.24        | 1.83           | 95.77        | 171      | 9.32                               |
| 791 | Elm                            | MSH          | IV                  | NS           | PRD                        | 39.11    | 0.0929   | 0.4880   | 0.3901                | 9.72        | 0.34           | 94.06        | 96       | 9.71                               |
| 792 | Elm                            | MSH          | IV                  | NS           | RD                         | 148.30   | 0.0271   | 0.5194   | 0.9933                | 3.33        | 0.18           | 95.33        | 10       | 5.22                               |
| 793 | Elm                            | MSH          | V                   | *            | *                          | 130.00   | 0.0169   | 0.3624   | 0.4092                | 14.35       | 2.07           | 79.29        | 43       | 9.51                               |
| 794 | Elm                            | MSSH         | II & III            | P            | *                          | 38.00    | 0.3958   | -0.0455  | 0.3319                | 22.74       | 0.33           | 69.94        | 17       | 8.31                               |
| 795 | Elm                            | MSSH         | III                 | NS           | *                          | 320.00   | 0.0459   | 0.8363   | 0.4304                | 34.65       | 12.56          | 43.71        | 13       | 38.14                              |
| 796 | Elm                            | MSSH         | IV                  | P            | *                          | 73.96    | 0.0361   | 0.2596   | 0.5466                | 12.77       | 0.32           | 83.07        | 17       | 6.79                               |
| 797 | Elm                            | MSSH         | IV                  | NS           | NRD                        | 64.55    | 0.1075   | 0.7673   | 0.4031                | 25.71       | 5.24           | 58.83        | 16       | 12.91                              |
| 798 | Elm                            | MSSH         | IV                  | NS           | PRD & RD                   | 39.88    | 0.1944   | 0.9086   | 0.425                 | 18.11       | 0.40           | 72.76        | 16       | 11.55                              |
| 799 | Elm                            | MSSH         | V                   | *            | *                          | 33.78    | 0.5733   | 0.9980   | 0.7276                | 8.83        | 0.18           | 56.52        | 6        | 4.11                               |
| 800 | Elm                            | SSH          | III                 | P            | *                          | 84.19    | 0.1456   | 0.5634   | 0.6366                | 19.75       | 2.14           | 53.95        | 6        | 15.91                              |
| 801 | Elm                            | SSH          | III                 | NS           | NRD & PRD                  | 102.20   | 0.1104   | 0.8403   | 0.7038                | 10.48       | 2.18           | 78.70        | 10       | 16.10                              |
| 802 | Elm                            | SSH          | III                 | NS           | RD                         | 69.22    | 0.0309   | -0.4853  | 0.6582                | 7.73        | 0.41           | 89.38        | 15       | 0.40                               |
| 803 | Elm                            | SSH          | IV                  | *            | NRD & PRD                  | 71.29    | 0.0526   | 0.4186   | 0.4128                | 19.07       | 0.76           | 79.14        | 15       | 5.89                               |

| No. | Dominant tree species (groups) | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|--------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 804 | Elm                            | SSH          | IV                  | *            | RD                         | 116.20   | 0.0069   | -0.5951  | 0.3768                | 9.40        | 3.50           | 85.47        | 19       | 10.02                              |
| 805 | Elm                            | SSH          | V                   | *            | *                          | 55.00    | 0.0523   | 0.0255   | 0.3738                | 19.68       | 2.88           | 40.06        | 6        | 24.51                              |
| 806 | Ebony                          | MSH          | III                 | P            | *                          | 21.12    | 0.6999   | -0.9999  | 0.6035                | 5.38        | 0.01           | 78.25        | 9        | 5.96                               |
| 807 | Ebony                          | MSH          | III                 | NS           | *                          | 118.50   | 0.0667   | 0.8174   | 0.3676                | 33.27       | 5.76           | 50.67        | 17       | 12.80                              |
| 808 | Ebony                          | MSH          | IV                  | P            | *                          | 48.85    | 0.2124   | 0.9597   | 0.3622                | 24.11       | 11.83          | 40.35        | 14       | 6.06                               |
| 809 | Ebony                          | MSH          | IV                  | NS           | NRD                        | 29.50    | 0.1631   | 0.8599   | 0.3792                | 12.61       | 2.72           | 71.09        | 15       | 16.99                              |
| 810 | Ebony                          | MSH          | IV                  | NS           | RD                         | 130.50   | 0.0804   | 0.9220   | 0.6908                | 25.81       | 1.66           | 76.05        | 11       | 5.24                               |
| 811 | Ebony                          | MSH          | V                   | NS           | *                          | 14.85    | 0.3080   | 0.8421   | 0.3205                | 7.34        | 0.64           | 40.27        | 7        | 10.15                              |
| 812 | Ebony                          | MSH & MSSH   | IV                  | NS           | PRD                        | 82.99    | 0.0147   | -0.0619  | 0.3662                | 15.41       | 3.41           | 61.31        | 14       | 12.01                              |
| 813 | Firmiana                       | MSH          | II                  | P            | *                          | 68.38    | 0.2013   | 0.9683   | 0.4639                | 23.75       | 3.18           | 79.79        | 22       | 19.82                              |
| 814 | Firmiana                       | MSH          | II                  | NS           | *                          | 104.00   | 0.0155   | 0.0390   | 0.3267                | 16.42       | 3.22           | 70.64        | 15       | 8.36                               |
| 815 | Firmiana                       | MSH          | III                 | P            | NRD                        | 81.22    | 0.0169   | -0.4512  | 0.3209                | 8.90        | 1.06           | 96.84        | 172      | 9.01                               |
| 816 | Firmiana                       | MSH          | III                 | P            | PRD                        | 79.13    | 0.0093   | -1.7760  | 0.4013                | 11.48       | 1.49           | 91.05        | 34       | 11.99                              |
| 817 | Firmiana                       | MSH          | III                 | P            | RD                         | 34.65    | 0.5002   | 0.9584   | 0.3292                | 23.02       | 3.16           | 65.89        | 17       | 19.60                              |
| 818 | Firmiana                       | MSH          | III                 | NS           | NRD                        | 41.60    | 0.0952   | 0.2547   | 0.3958                | 11.78       | 0.04           | 93.64        | 98       | 14.21                              |
| 819 | Firmiana                       | MSH          | III                 | NS           | PRD                        | 98.59    | 0.0297   | 0.2832   | 0.5026                | 12.49       | 1.78           | 86.44        | 27       | 12.54                              |
| 820 | Firmiana                       | MSH          | III                 | NS           | RD                         | 107.00   | 0.0242   | -0.4007  | 0.3584                | 27.69       | 1.94           | 72.47        | 17       | 19.17                              |
| 821 | Firmiana                       | MSH          | IV                  | P            | NRD                        | 35.23    | 0.9987   | -0.9906  | 0.3749                | 8.50        | 0.01           | 95.37        | 80       | 8.36                               |
| 822 | Firmiana                       | MSH          | IV                  | P            | PRD                        | 105.00   | 0.0150   | -0.1036  | 0.3085                | 12.51       | 4.43           | 92.19        | 82       | 14.87                              |
| 823 | Firmiana                       | MSH          | IV                  | P            | RD                         | 42.16    | 0.9996   | 0.9907   | 0.349                 | 21.04       | 0.02           | 79.59        | 23       | 24.11                              |
| 824 | Firmiana                       | MSH          | IV                  | NS           | NRD                        | 71.60    | 0.0031   | -2.5610  | 0.3652                | 10.13       | 0.18           | 94.36        | 94       | 10.74                              |
| 825 | Firmiana                       | MSH          | IV                  | NS           | PRD                        | 33.55    | 0.0378   | -1.8700  | 0.3684                | 9.83        | 0.10           | 88.71        | 34       | 11.63                              |
| 826 | Firmiana                       | MSH          | IV                  | NS           | RD                         | 200.00   | 0.0076   | -0.6172  | 0.4211                | 37.50       | 1.63           | 69.36        | 15       | 35.69                              |
| 827 | Firmiana                       | MSH          | V                   | P            | *                          | 85.19    | 0.0066   | -1.2240  | 0.4465                | 14.42       | 0.41           | 75.90        | 15       | 11.75                              |
| 828 | Firmiana                       | MSH          | V                   | NS           | *                          | 79.99    | 0.0237   | -0.1195  | 0.3741                | 17.17       | 3.70           | 75.64        | 20       | 14.31                              |
| 829 | Firmiana                       | MSSH         | II & III            | P            | NRD                        | 127.50   | 0.0329   | 0.0729   | 0.3038                | 20.26       | 1.12           | 93.30        | 85       | 17.11                              |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V_RM SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|----------------|
| 830 | Firmiana                                 | MSSH         | III                 | P            | PRD & RD                   | 101.00   | 0.0146   | −1.1150  | 0.3278                | 23.64       | 0.77           | 87.14        | 40       | 15.28          |
| 831 | Firmiana                                 | MSSH         | III                 | NS           | *                          | 48.94    | 0.0456   | −0.6181  | 0.3196                | 11.96       | 0.66           | 86.65        | 25       | 13.96          |
| 832 | Firmiana                                 | MSSH         | IV                  | P            | NRD                        | 87.98    | 0.0173   | −0.6847  | 0.3766                | 16.49       | 0.28           | 90.83        | 57       | 20.52          |
| 833 | Firmiana                                 | MSSH         | IV                  | P            | PRD & RD                   | 52.39    | 0.2406   | 0.4045   | 0.3597                | 19.60       | 0.10           | 89.35        | 43       | 19.68          |
| 834 | Firmiana                                 | MSSH         | IV                  | NS           | NRD                        | 139.50   | 0.0365   | 0.4372   | 0.404                 | 24.46       | 1.77           | 80.97        | 34       | 19.26          |
| 835 | Firmiana                                 | MSSH         | IV                  | NS           | PRD                        | 132.00   | 0.0126   | 0.2443   | 0.5553                | 12.29       | 14.42          | 70.85        | 15       | 3.98           |
| 836 | Firmiana                                 | MSSH         | V                   | *            | *                          | 47.72    | 0.5972   | 0.3694   | 0.4027                | 14.09       | 0.17           | 84.69        | 16       | 20.12          |
| 837 | Firmiana                                 | SSH          | II & III            | P            | NRD                        | 228.00   | 0.0107   | −0.4316  | 0.4085                | 29.57       | 2.40           | 85.86        | 33       | 30.28          |
| 838 | Firmiana                                 | SSH          | III                 | P            | PRD & RD                   | 69.64    | 0.2058   | 0.8088   | 0.4159                | 29.27       | 2.36           | 66.03        | 11       | 21.37          |
| 839 | Firmiana                                 | SSH          | III                 | NS           | *                          | 104.30   | 0.1600   | 0.9537   | 0.4672                | 32.79       | 4.02           | 69.92        | 18       | 21.82          |
| 840 | Firmiana                                 | SSH          | IV                  | P            | NRD                        | 74.33    | 0.1005   | −1.0250  | 0.3329                | 21.44       | 0.82           | 85.45        | 20       | 10.68          |
| 841 | Firmiana                                 | SSH          | IV                  | P            | PRD & RD                   | 310.00   | 0.0251   | 0.3487   | 0.3819                | 39.09       | 4.06           | 60.96        | 11       | 23.68          |
| 842 | Firmiana                                 | SSH          | IV                  | NS           | *                          | 115.40   | 0.1507   | 0.9353   | 0.3655                | 30.62       | 3.53           | 56.28        | 14       | 31.47          |
| 843 | Firmiana                                 | SSH          | V                   | P            | PRD                        | 29.16    | 0.4639   | 0.9913   | 0.9398                | 2.59        | 0.08           | 86.00        | 6        | 0.10           |
| 844 | Other broad-leaved tree species (groups) | MSH          | II                  | P            | NRD                        | 125.90   | 0.0486   | 0.3541   | 0.6454                | 15.84       | 0.21           | 98.11        | 495      | 11.27          |
| 845 | Other broad-leaved tree species (groups) | MSH          | II                  | P            | PRD                        | 83.25    | 0.0686   | 0.3301   | 0.3965                | 15.96       | 8.24           | 95.03        | 119      | 21.12          |
| 846 | Other broad-leaved tree species (groups) | MSH          | II                  | P            | RD                         | 193.30   | 0.0409   | 0.4486   | 0.7139                | 13.48       | 0.17           | 96.16        | 73       | 16.84          |
| 847 | Other broad-leaved tree species (groups) | MSH          | II                  | NS           | NRD                        | 123.20   | 0.0315   | 0.2823   | 0.7372                | 10.71       | 0.04           | 98.15        | 547      | 9.27           |
| 848 | Other broad-leaved tree species (groups) | MSH          | II                  | NS           | PRD                        | 93.15    | 0.0527   | 0.3983   | 0.7374                | 10.34       | 0.27           | 97.33        | 213      | 9.62           |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 849 | Other broad-leaved tree species (groups) | MSH          | II                  | NS           | RD                         | 119.30   | 0.0885   | 0.7882   | 0.6553                | 21.58       | 0.27           | 90.49        | 58       | 15.13                              |
| 850 | Other broad-leaved tree species (groups) | MSH          | III                 | P            | NRD                        | 91.96    | 0.0640   | 0.3761   | 0.7624                | 8.90        | 0.16           | 99.65        | 6387     | 9.06                               |
| 851 | Other broad-leaved tree species (groups) | MSH          | III                 | P            | PRD                        | 112.20   | 0.0266   | -0.1035  | 0.6148                | 9.40        | 1.40           | 99.21        | 1614     | 8.93                               |
| 852 | Other broad-leaved tree species (groups) | MSH          | III                 | P            | RD                         | 115.00   | 0.1030   | 0.6971   | 0.6586                | 16.25       | 2.90           | 98.36        | 595      | 16.33                              |
| 853 | Other broad-leaved tree species (groups) | MSH          | III                 | NS           | NRD                        | 145.30   | 0.0146   | -0.1566  | 0.9031                | 4.98        | 0.07           | 99.83        | 12275    | 5.04                               |
| 854 | Other broad-leaved tree species (groups) | MSH          | III                 | NS           | PRD                        | 82.79    | 0.0685   | 0.3945   | 0.8142                | 6.73        | 0.95           | 99.56        | 2683     | 7.06                               |
| 855 | Other broad-leaved tree species (groups) | MSH          | III                 | NS           | RD                         | 83.39    | 0.0571   | 0.3100   | 0.6924                | 10.00       | 4.94           | 98.50        | 527      | 10.07                              |
| 856 | Other broad-leaved tree species (groups) | MSH          | IV                  | P            | NRD                        | 79.39    | 0.0553   | 0.1920   | 0.6909                | 7.88        | 0.05           | 99.51        | 3432     | 8.09                               |
| 857 | Other broad-leaved tree species (groups) | MSH          | IV                  | P            | PRD                        | 153.00   | 0.0190   | 0.0242   | 0.5152                | 9.83        | 2.72           | 98.97        | 1308     | 10.21                              |
| 858 | Other broad-leaved tree species (groups) | MSH          | IV                  | P            | RD                         | 150.80   | 0.0316   | 0.1689   | 0.6993                | 11.78       | 0.89           | 97.48        | 203      | 11.74                              |
| 859 | Other broad-leaved tree species (groups) | MSH          | IV                  | NS           | NRD                        | 99.41    | 0.0197   | -0.3235  | 0.8173                | 6.01        | 0.10           | 99.75        | 8565     | 5.61                               |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RMSE</sub></i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|-------------------------|
| 860 | Other broad-leaved tree species (groups) | MSH          | IV                  | NS           | PRD                        | 83.35    | 0.0233   | -0.3109  | 0.7814                | 5.32        | 0.05           | 99.53        | 2461     | 4.91                    |
| 861 | Other broad-leaved tree species (groups) | MSH          | IV                  | NS           | RD                         | 70.69    | 0.0337   | -0.3058  | 0.6337                | 8.07        | 0.22           | 98.59        | 505      | 7.50                    |
| 862 | Other broad-leaved tree species (groups) | MSH          | V                   | P            | NRD                        | 59.47    | 0.0666   | -0.2878  | 0.5257                | 7.42        | 0.40           | 97.39        | 116      | 6.94                    |
| 863 | Other broad-leaved tree species (groups) | MSH          | V                   | P            | PRD                        | 132.60   | 0.0170   | 0.0014   | 0.5143                | 11.37       | 2.22           | 96.05        | 181      | 13.65                   |
| 864 | Other broad-leaved tree species (groups) | MSH          | V                   | P            | RD                         | 73.53    | 0.1226   | 0.7969   | 0.3512                | 21.96       | 0.99           | 84.80        | 46       | 20.38                   |
| 865 | Other broad-leaved tree species (groups) | MSH          | V                   | NS           | NRD                        | 85.23    | 0.0233   | -0.2041  | 0.6577                | 8.31        | 0.27           | 98.35        | 474      | 8.72                    |
| 866 | Other broad-leaved tree species (groups) | MSH          | V                   | NS           | PRD                        | 79.99    | 0.0189   | 0.0021   | 0.6048                | 5.91        | 1.58           | 98.46        | 552      | 5.86                    |
| 867 | Other broad-leaved tree species (groups) | MSH          | V                   | NS           | RD                         | 90.16    | 0.0150   | -0.0964  | 0.3118                | 12.81       | 2.19           | 93.19        | 115      | 12.81                   |
| 868 | Other broad-leaved tree species (groups) | MSSH         | II                  | P            | NRD                        | 70.00    | 0.1170   | 0.4176   | 0.4217                | 18.28       | 4.16           | 93.00        | 66       | 14.95                   |
| 869 | Other broad-leaved tree species (groups) | MSSH         | II                  | P            | PRD & RD                   | 123.50   | 0.0354   | 0.2608   | 0.3738                | 29.80       | 2.97           | 88.57        | 79       | 20.47                   |
| 870 | Other broad-leaved tree species (groups) | MSSH         | II                  | NS           | NRD                        | 97.96    | 0.3677   | 0.9553   | 0.4112                | 34.45       | 1.03           | 87.29        | 31       | 19.72                   |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 871 | Other broad-leaved tree species (groups) | MSSH         | II                  | NS           | PRD & RD                   | 55.42    | 0.1440   | 0.3842   | 0.4157                | 19.82       | 0.19           | 81.71        | 20       | 15.84                              |
| 872 | Other broad-leaved tree species (groups) | MSSH         | III                 | P            | NRD                        | 95.55    | 0.0400   | -0.1511  | 0.549                 | 9.53        | 1.46           | 99.15        | 1023     | 8.97                               |
| 873 | Other broad-leaved tree species (groups) | MSSH         | III                 | P            | PRD                        | 101.20   | 0.0623   | 0.4317   | 0.4489                | 10.87       | 1.40           | 98.02        | 314      | 10.73                              |
| 874 | Other broad-leaved tree species (groups) | MSSH         | III                 | P            | RD                         | 67.70    | 0.0578   | -0.0691  | 0.3288                | 19.82       | 4.73           | 91.10        | 66       | 16.29                              |
| 875 | Other broad-leaved tree species (groups) | MSSH         | III                 | NS           | NRD                        | 98.32    | 0.0916   | 0.4746   | 0.5578                | 16.64       | 0.35           | 98.61        | 902      | 16.31                              |
| 876 | Other broad-leaved tree species (groups) | MSSH         | III                 | NS           | PRD                        | 89.57    | 0.0874   | 0.5722   | 0.5934                | 14.20       | 0.33           | 97.65        | 300      | 12.60                              |
| 877 | Other broad-leaved tree species (groups) | MSSH         | III                 | NS           | RD                         | 49.26    | 0.0974   | 0.6074   | 0.4868                | 12.04       | 0.20           | 92.55        | 62       | 15.31                              |
| 878 | Other broad-leaved tree species (groups) | MSSH         | IV                  | P            | NRD                        | 82.82    | 0.0817   | 0.4964   | 0.5106                | 9.00        | 0.54           | 99.00        | 780      | 8.78                               |
| 879 | Other broad-leaved tree species (groups) | MSSH         | IV                  | P            | PRD                        | 95.81    | 0.0568   | 0.1921   | 0.6499                | 10.16       | 0.51           | 98.36        | 318      | 10.46                              |
| 880 | Other broad-leaved tree species (groups) | MSSH         | IV                  | P            | RD                         | 104.10   | 0.0469   | 0.4610   | 0.3021                | 21.05       | 9.36           | 81.65        | 25       | 17.06                              |
| 881 | Other broad-leaved tree species (groups) | MSSH         | IV                  | NS           | NRD                        | 94.10    | 0.0691   | 0.3236   | 0.7513                | 9.73        | 0.36           | 98.87        | 650      | 10.05                              |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 882 | Other broad-leaved tree species (groups) | MSSH         | IV                  | NS           | PRD                        | 91.91    | 0.0551   | 0.2284   | 0.6798                | 10.68       | 2.21           | 98.65        | 559      | 11.44                              |
| 883 | Other broad-leaved tree species (groups) | MSSH         | IV                  | NS           | RD                         | 90.33    | 0.0522   | 0.6364   | 0.4412                | 23.06       | 15.57          | 78.58        | 42       | 19.32                              |
| 884 | Other broad-leaved tree species (groups) | MSSH         | V                   | P            | NRD                        | 43.58    | 0.2770   | 0.3792   | 0.4022                | 14.63       | 0.01           | 87.08        | 26       | 12.34                              |
| 885 | Other broad-leaved tree species (groups) | MSSH         | V                   | P            | PRD & RD                   | 80.86    | 0.0813   | 0.5662   | 0.3588                | 15.84       | 1.98           | 92.52        | 64       | 19.03                              |
| 886 | Other broad-leaved tree species (groups) | MSSH         | V                   | NS           | NRD                        | 86.90    | 0.1328   | 0.7186   | 0.5427                | 17.61       | 0.28           | 92.12        | 80       | 12.82                              |
| 887 | Other broad-leaved tree species (groups) | MSSH         | V                   | NS           | PRD & RD                   | 54.02    | 0.1306   | 0.6378   | 0.357                 | 13.85       | 3.12           | 95.51        | 159      | 15.15                              |
| 888 | Other broad-leaved tree species (groups) | SSH          | II                  | P            | NRD                        | 65.20    | 0.4338   | 0.8918   | 0.4099                | 27.69       | 0.39           | 78.33        | 18       | 23.01                              |
| 889 | Other broad-leaved tree species (groups) | SSH          | II                  | P            | PRD & RD                   | 72.25    | 0.1493   | 0.7633   | 0.3943                | 35.34       | 1.10           | 48.22        | 10       | 31.82                              |
| 890 | Other broad-leaved tree species (groups) | SSH          | II                  | NS           | NRD & PRD                  | 54.26    | 0.2430   | 0.2983   | 0.3586                | 29.07       | 1.75           | 72.83        | 17       | 12.65                              |
| 891 | Other broad-leaved tree species (groups) | SSH          | II                  | NS           | RD                         | 59.14    | 0.0940   | 0.4875   | 0.4391                | 19.91       | 0.26           | 67.74        | 12       | 21.58                              |
| 892 | Other broad-leaved tree species (groups) | SSH          | III                 | P            | NRD                        | 89.77    | 0.0468   | 0.0125   | 0.523                 | 10.18       | 0.92           | 97.72        | 225      | 9.65                               |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 893 | Other broad-leaved tree species (groups) | SSH          | III                 | P            | PRD                        | 215.50   | 0.0282   | 0.2990   | 0.3808                | 37.76       | 3.67           | 88.46        | 101      | 30.53                              |
| 894 | Other broad-leaved tree species (groups) | SSH          | III                 | P            | RD                         | 61.44    | 0.1396   | 0.5214   | 0.3392                | 22.97       | 7.80           | 92.53        | 114      | 27.43                              |
| 895 | Other broad-leaved tree species (groups) | SSH          | III                 | NS           | NRD                        | 89.89    | 0.0476   | -0.2301  | 0.592                 | 10.28       | 0.40           | 99.39        | 2624     | 9.56                               |
| 896 | Other broad-leaved tree species (groups) | SSH          | III                 | NS           | PRD                        | 69.35    | 0.0935   | 0.1846   | 0.4181                | 17.17       | 1.07           | 95.14        | 130      | 17.46                              |
| 897 | Other broad-leaved tree species (groups) | SSH          | III                 | NS           | RD                         | 79.24    | 0.0682   | -0.3605  | 0.4422                | 10.24       | 0.81           | 98.34        | 322      | 11.10                              |
| 898 | Other broad-leaved tree species (groups) | SSH          | IV                  | P            | NRD                        | 103.00   | 0.0395   | 0.0542   | 0.7978                | 7.23        | 0.52           | 98.36        | 222      | 8.29                               |
| 899 | Other broad-leaved tree species (groups) | SSH          | IV                  | P            | PRD                        | 70.11    | 0.1188   | 0.5542   | 0.6075                | 11.78       | 2.55           | 97.41        | 279      | 13.89                              |
| 900 | Other broad-leaved tree species (groups) | SSH          | IV                  | P            | RD                         | 76.84    | 0.1395   | 0.3836   | 0.4772                | 11.61       | 0.09           | 97.83        | 205      | 12.72                              |
| 901 | Other broad-leaved tree species (groups) | SSH          | IV                  | NS           | NRD                        | 69.71    | 0.1077   | 0.0621   | 0.5208                | 8.99        | 0.13           | 99.42        | 2183     | 8.63                               |
| 902 | Other broad-leaved tree species (groups) | SSH          | IV                  | NS           | PRD                        | 86.51    | 0.0848   | 0.5033   | 0.575                 | 14.26       | 0.20           | 97.12        | 200      | 15.27                              |
| 903 | Other broad-leaved tree species (groups) | SSH          | IV                  | NS           | RD                         | 100.00   | 0.0657   | 0.2091   | 0.6886                | 9.72        | 1.40           | 98.26        | 235      | 9.56                               |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 904 | Other broad-leaved tree species (groups) | SSH          | V                   | P            | NRD                        | 199.00   | 0.0208   | 0.2195   | 0.4441                | 24.74       | 2.06           | 81.83        | 21       | 16.80                              |
| 905 | Other broad-leaved tree species (groups) | SSH          | V                   | P            | PRD                        | 43.53    | 0.1594   | 0.1346   | 0.394                 | 9.95        | 0.38           | 94.64        | 80       | 10.83                              |
| 906 | Other broad-leaved tree species (groups) | SSH          | V                   | P            | RD                         | 42.49    | 0.1624   | 0.3861   | 0.4913                | 9.45        | 1.97           | 82.67        | 14       | 11.21                              |
| 907 | Other broad-leaved tree species (groups) | SSH          | V                   | NS           | NRD                        | 62.86    | 0.1581   | 0.6555   | 0.4442                | 14.44       | 5.48           | 94.66        | 134      | 14.21                              |
| 908 | Other broad-leaved tree species (groups) | SSH          | V                   | NS           | PRD                        | 38.01    | 0.2657   | 0.5990   | 0.3778                | 11.35       | 0.24           | 94.07        | 81       | 15.55                              |
| 909 | Other broad-leaved tree species (groups) | SSH          | V                   | NS           | RD                         | 85.00    | 0.1795   | 0.8920   | 0.3324                | 34.39       | 1.32           | 73.83        | 22       | 12.65                              |
| 910 | Broad-leaved mixed tree species (groups) | MSH          | II                  | P            | NRD                        | 80.07    | 0.1254   | 0.6867   | 0.3919                | 22.35       | 0.38           | 91.48        | 60       | 20.60                              |
| 911 | Broad-leaved mixed tree species (groups) | MSH          | II                  | P            | PRD & RD                   | 92.95    | 0.1011   | 0.6876   | 0.4481                | 25.17       | 0.33           | 75.43        | 16       | 17.71                              |
| 912 | Broad-leaved mixed tree species (groups) | MSH          | II                  | NS           | NRD                        | 220.00   | 0.0205   | 0.2236   | 0.8695                | 11.12       | 0.40           | 98.24        | 235      | 10.44                              |
| 913 | Broad-leaved mixed tree species (groups) | MSH          | II                  | NS           | PRD                        | 73.09    | 0.0800   | 0.5129   | 0.5652                | 11.60       | 0.03           | 92.96        | 39       | 12.87                              |
| 914 | Broad-leaved mixed tree species (groups) | MSH          | II                  | NS           | RD                         | 95.00    | 0.0467   | 0.3846   | 0.4643                | 17.87       | 1.47           | 76.07        | 12       | 21.27                              |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 915 | Broad-leaved mixed tree species (groups) | MSH          | III                 | P            | NRD                        | 72.64    | 0.1050   | 0.5823   | 0.6586                | 9.53        | 0.11           | 99.15        | 1296     | 9.78                               |
| 916 | Broad-leaved mixed tree species (groups) | MSH          | III                 | P            | PRD                        | 192.50   | 0.0091   | -0.2332  | 0.3817                | 13.52       | 1.83           | 97.23        | 392      | 12.38                              |
| 917 | Broad-leaved mixed tree species (groups) | MSH          | III                 | P            | RD                         | 75.13    | 0.1029   | 0.0377   | 0.3883                | 19.92       | 0.54           | 92.10        | 44       | 18.07                              |
| 918 | Broad-leaved mixed tree species (groups) | MSH          | III                 | NS           | NRD                        | 112.50   | 0.0525   | 0.4908   | 0.8778                | 8.52        | 0.16           | 99.63        | 5108     | 8.78                               |
| 919 | Broad-leaved mixed tree species (groups) | MSH          | III                 | NS           | PRD                        | 97.57    | 0.0296   | -0.1908  | 0.6678                | 7.66        | 0.02           | 99.06        | 760      | 7.01                               |
| 920 | Broad-leaved mixed tree species (groups) | MSH          | III                 | NS           | RD                         | 130.00   | 0.0426   | 0.3875   | 0.8424                | 10.51       | 0.25           | 97.61        | 104      | 8.16                               |
| 921 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | P            | NRD                        | 97.62    | 0.0771   | 0.6224   | 0.7892                | 8.13        | 0.32           | 99.25        | 1201     | 8.76                               |
| 922 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | P            | PRD                        | 152.00   | 0.0099   | -0.2959  | 0.5065                | 9.19        | 1.14           | 97.66        | 291      | 8.82                               |
| 923 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | P            | RD                         | 70.22    | 0.3413   | 0.9605   | 0.4491                | 17.90       | 0.16           | 91.83        | 41       | 18.06                              |
| 924 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | NS           | NRD                        | 112.20   | 0.0428   | 0.3466   | 0.8464                | 7.89        | 0.25           | 99.52        | 2857     | 7.83                               |
| 925 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | NS           | PRD                        | 132.60   | 0.0178   | -0.2191  | 0.8246                | 7.90        | 0.80           | 99.31        | 1316     | 7.81                               |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 926 | Broad-leaved mixed tree species (groups) | MSH          | IV                  | NS           | RD                         | 96.57    | 0.0561   | 0.2936   | 0.7238                | 11.06       | 0.29           | 97.42        | 151      | 15.28                              |
| 927 | Broad-leaved mixed tree species (groups) | MSH          | V                   | P            | NRD                        | 90.59    | 0.0922   | 0.6367   | 0.6374                | 12.35       | 0.27           | 95.34        | 85       | 15.48                              |
| 928 | Broad-leaved mixed tree species (groups) | MSH          | V                   | P            | PRD & RD                   | 87.79    | 0.4172   | 0.9987   | 0.7977                | 16.12       | 4.27           | 85.42        | 19       | 2.62                               |
| 929 | Broad-leaved mixed tree species (groups) | MSH          | V                   | NS           | NRD                        | 72.74    | 0.0549   | -0.0004  | 0.5785                | 8.37        | 0.03           | 97.85        | 190      | 9.55                               |
| 930 | Broad-leaved mixed tree species (groups) | MSH          | V                   | NS           | PRD                        | 160.00   | 0.0061   | -0.6814  | 0.7207                | 9.70        | 0.39           | 97.98        | 245      | 11.35                              |
| 931 | Broad-leaved mixed tree species (groups) | MSH          | V                   | NS           | RD                         | 46.79    | 0.1590   | -0.1155  | 0.3849                | 18.48       | 2.17           | 85.86        | 33       | 20.08                              |
| 932 | Broad-leaved mixed tree species (groups) | MSSH         | II                  | P            | *                          | 42.71    | 0.3945   | 0.8249   | 0.4903                | 12.32       | 4.58           | 74.51        | 9        | 18.29                              |
| 933 | Broad-leaved mixed tree species (groups) | MSSH         | II                  | NS           | *                          | 66.68    | 0.7674   | 0.9996   | 0.367                 | 32.40       | 0.81           | 73.95        | 16       | 10.14                              |
| 934 | Broad-leaved mixed tree species (groups) | MSSH         | III                 | P            | NRD                        | 64.28    | 0.2512   | 0.8773   | 0.5861                | 8.65        | 0.01           | 97.13        | 81       | 8.50                               |
| 935 | Broad-leaved mixed tree species (groups) | MSSH         | III                 | P            | PRD & RD                   | 157.50   | 0.0291   | 0.4254   | 0.3313                | 19.65       | 2.16           | 90.51        | 63       | 18.81                              |
| 936 | Broad-leaved mixed tree species (groups) | MSSH         | III                 | NS           | NRD                        | 107.50   | 0.0219   | -0.4504  | 0.4994                | 11.38       | 0.98           | 97.63        | 221      | 10.41                              |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 937 | Broad-leaved mixed tree species (groups) | MSSH         | III                 | NS           | PRD                        | 94.61    | 0.0573   | 0.4701   | 0.4778                | 16.81       | 0.66           | 94.19        | 84       | 13.20                              |
| 938 | Broad-leaved mixed tree species (groups) | MSSH         | III                 | NS           | RD                         | 115.00   | 0.0466   | 0.5104   | 0.3933                | 18.82       | 1.36           | 85.59        | 23       | 19.86                              |
| 939 | Broad-leaved mixed tree species (groups) | MSSH         | IV                  | P            | NRD                        | 100.80   | 0.0368   | -0.0244  | 0.3816                | 15.29       | 1.49           | 95.03        | 95       | 17.96                              |
| 940 | Broad-leaved mixed tree species (groups) | MSSH         | IV                  | P            | PRD & RD                   | 69.93    | 0.0191   | -1.0120  | 0.3461                | 12.20       | 0.48           | 93.26        | 58       | 14.52                              |
| 941 | Broad-leaved mixed tree species (groups) | MSSH         | IV                  | NS           | NRD                        | 120.00   | 0.0311   | 0.1161   | 0.5007                | 15.61       | 1.21           | 94.76        | 108      | 12.28                              |
| 942 | Broad-leaved mixed tree species (groups) | MSSH         | IV                  | NS           | PRD & RD                   | 79.56    | 0.0748   | 0.5991   | 0.5226                | 14.89       | 0.25           | 93.42        | 75       | 12.21                              |
| 943 | Broad-leaved mixed tree species (groups) | MSSH         | V                   | P            | NRD                        | 52.40    | 0.1595   | 0.2874   | 0.4066                | 20.83       | 0.62           | 78.61        | 17       | 12.56                              |
| 944 | Broad-leaved mixed tree species (groups) | MSSH         | V                   | P            | PRD & RD                   | 50.63    | 0.1830   | 0.9490   | 0.5216                | 11.18       | 0.26           | 86.25        | 20       | 13.28                              |
| 945 | Broad-leaved mixed tree species (groups) | MSSH         | V                   | NS           | NRD                        | 97.02    | 0.0831   | 0.7810   | 0.6295                | 16.54       | 2.28           | 77.18        | 16       | 8.40                               |
| 946 | Broad-leaved mixed tree species (groups) | MSSH         | V                   | NS           | PRD & RD                   | 102.50   | 0.0325   | 0.2474   | 0.367                 | 21.37       | 4.59           | 78.43        | 24       | 9.05                               |
| 947 | Broad-leaved mixed tree species (groups) | SSH          | II                  | P            | NRD                        | 111.00   | 0.0168   | 0.2217   | 0.7314                | 6.74        | 3.91           | 67.63        | 9        | 9.04                               |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RM</sub></i><br><i>SE</i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|------------------------------------|
| 948 | Broad-leaved mixed tree species (groups) | SSH          | II                  | P            | PRD & RD                   | 14.54    | 0.7296   | 0.9894   | 0.8933                | 1.41        | 1.60           | 88.66        | 8        | 3.49                               |
| 949 | Broad-leaved mixed tree species (groups) | SSH          | III                 | P            | *                          | 48.37    | 0.2691   | 0.8611   | 0.4375                | 14.30       | 0.58           | 94.33        | 100      | 11.25                              |
| 950 | Broad-leaved mixed tree species (groups) | SSH          | III                 | NS           | NRD                        | 64.00    | 0.2445   | 0.6585   | 0.3643                | 20.16       | 0.11           | 94.77        | 134      | 21.72                              |
| 951 | Broad-leaved mixed tree species (groups) | SSH          | III                 | NS           | PRD                        | 125.70   | 0.0978   | 0.6900   | 0.9533                | 8.04        | 0.00           | 83.55        | 6        | 11.00                              |
| 952 | Broad-leaved mixed tree species (groups) | SSH          | III                 | NS           | RD                         | 69.67    | 0.1502   | 0.7225   | 0.3645                | 13.57       | 0.74           | 94.98        | 65       | 12.89                              |
| 953 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | P            | NRD                        | 76.16    | 0.2821   | 0.9340   | 0.3004                | 38.63       | 3.14           | 79.68        | 43       | 22.80                              |
| 954 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | P            | PRD                        | 95.33    | 0.3498   | 0.9188   | 0.5093                | 33.93       | 0.34           | 66.66        | 10       | 32.84                              |
| 955 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | P            | RD                         | 61.14    | 0.4582   | 0.2811   | 0.3624                | 14.78       | 0.02           | 91.63        | 29       | 12.94                              |
| 956 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | NS           | NRD                        | 60.62    | 0.2504   | 0.8308   | 0.6421                | 9.22        | 0.09           | 96.91        | 108      | 9.52                               |
| 957 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | NS           | PRD                        | 58.01    | 0.4733   | 0.9570   | 0.4775                | 11.51       | 0.03           | 93.12        | 30       | 6.59                               |
| 958 | Broad-leaved mixed tree species (groups) | SSH          | IV                  | NS           | RD                         | 98.95    | 0.0295   | -1.1790  | 0.4737                | 19.59       | 1.11           | 78.18        | 11       | 21.28                              |

| No. | Dominant tree species (groups)           | Climate zone | Site quality degree | Stand origin | Rocky desertification type | <i>a</i> | <i>b</i> | <i>c</i> | <i>R</i> <sup>2</sup> | <i>RMSE</i> | <i>TRE</i> (%) | <i>P</i> (%) | <i>N</i> | <i>V<sub>RMSE</sub></i> |
|-----|------------------------------------------|--------------|---------------------|--------------|----------------------------|----------|----------|----------|-----------------------|-------------|----------------|--------------|----------|-------------------------|
| 959 | Broad-leaved mixed tree species (groups) | SSH          | V                   | *            | *                          | 90.00    | 0.0668   | 0.5820   | 0.5799                | 15.30       | 1.24           | 68.46        | 8        | 6.79                    |