**Current conservation status and potential distribution under climate change of Michelia lacei, a Plant Species with Extremely Small Populations in Yunnan, China**

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Supplementary Table 1 60 positions for potential suitable area prediction.

|  |  |  |
| --- | --- | --- |
|  | Longitude | Latitude |
| 1 | 103.887133 | 23.051894 |
| 2 | 104.704636 | 23.067650 |
| 3 | 104.704114 | 23.067350 |
| 4 | 104.703906 | 23.067233 |
| 5 | 104.703772 | 23.067064 |
| 6 | 104.703369 | 23.066547 |
| 7 | 104.705211 | 23.070075 |
| 8 | 104.062122 | 23.004486 |
| 9 | 104.062247 | 23.004619 |
| 10 | 104.048742 | 22.951203 |
| 11 | 104.053050 | 22.947231 |
| 12 | 104.054225 | 22.943200 |
| 13 | 104.053842 | 22.943719 |
| 14 | 104.055275 | 22.943650 |
| 15 | 104.055375 | 22.943772 |
| 16 | 104.055328 | 22.943783 |
| 17 | 104.055506 | 22.943628 |
| 18 | 104.055536 | 22.943894 |
| 19 | 104.055711 | 22.943847 |
| 20 | 104.055575 | 22.944011 |
| 21 | 104.055703 | 22.944011 |
| 22 | 104.055697 | 22.944219 |
| 23 | 104.055303 | 22.943911 |
| 24 | 104.055536 | 22.944125 |
| 25 | 104.055497 | 22.944119 |
| 26 | 104.055467 | 22.944231 |
| 27 | 104.055458 | 22.944289 |
| 28 | 104.095272 | 22.912058 |
| 29 | 104.041303 | 22.890797 |
| 30 | 104.041353 | 22.890903 |
| 31 | 104.041350 | 22.890919 |
| 32 | 104.041350 | 22.890900 |
| 33 | 104.041353 | 22.890906 |
| 34 | 104.019319 | 22.852453 |
| 35 | 104.019411 | 22.852400 |
| 36 | 104.022853 | 22.854186 |
| 37 | 104.022869 | 22.853078 |
| 38 | 104.023069 | 22.852842 |
| 39 | 104.023047 | 22.852786 |
| 40 | 104.023114 | 22.853336 |
| 41 | 104.023086 | 22.853419 |
| 42 | 104.026692 | 22.666494 |
| 43 | 104.025542 | 22.666439 |
| 44 | 104.024789 | 22.665553 |
| 45 | 104.024158 | 22.665092 |
| 46 | 104.024158 | 22.664594 |
| 47 | 104.024186 | 22.664586 |
| 48 | 104.024192 | 22.664614 |
| 49 | 103.165008 | 22.958922 |
| 50 | 103.165069 | 22.955569 |
| 51 | 103.305703 | 22.908514 |
| 52 | 103.302233 | 22.907775 |
| 53 | 103.307853 | 22.962689 |
| 54 | 103.172575 | 23.041258 |
| 55 | 104.819187 | 23.183509 |
| 56 | 100.792141 | 24.500592 |
| 57 | 98.652338 | 24.532016 |
| 58 | 103.161238 | 22.755139 |
| 59 | 103.805676 | 22.889925 |
| 60 | 98.471814 | 24.280736 |

Supplementary Table 2 Environmental variables used in this study.

|  |  |
| --- | --- |
| Bioclimatic variables | Description |
| BIO1 | Annual Mean Temperature |
| BIO2 | Mean Diurnal Range |
| BIO3 | Isothermality |
| BIO4 | Temperature Seasonality |
| BIO5 | Max Temperature of the Warmest Month |
| BIO6 | Min Temperature of the Warmest Month |
| BIO7 | Temperature Annual Range |
| BIO8 | Mean Temperature of the Wettest Quarter |
| BIO9 | Mean Temperature of the Driest Quarter |
| BIO10 | Mean Temperature of the Warmest Quarter |
| BIO11 | Mean Temperature of the Coldest Quarter |
| BIO12 | Annual Precipitation |
| BIO13 | Precipitation of the Wettest Month |
| BIO14 | Precipitation of the Driest Month |
| BIO15 | Precipitation Seasonality |
| BIO16 | Precipitation of the Wettest Quarter |
| BIO17 | Precipitation of the Driest Quarter |
| BIO18 | Precipitation of the Warmest Quarter |
| BIO19 | Precipitation of the Coldest Quarter |