**Table S5.** Summary of changes in climate suitability for threatened plant species.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | 2050s-Low | 2050s-Medium | 2050s-High | 2080s-Low | 2080s-Medium | 2080s-High |
| *Magnolia officinalis* subsp. *biloba* | Tree | -0.181  | -0.212  | -0.270  | -0.168  | -0.258  | -0.440  |
| *Torreya fargesii* | Tree | -0.317  | -0.330  | -0.447  | -0.274  | -0.440  | -0.778  |
| *Pseudotaxus chienii* | Shrub | -0.128  | -0.176  | -0.210  | -0.142  | -0.235  | -0.331  |
| *Semiliquidambar cathayensis* | Tree | -0.246  | -0.305  | -0.390  | -0.264  | -0.409  | -0.612  |
| *Cephalotaxus oliveri* | Shrub | -0.511  | -0.488  | -0.646  | -0.491  | -0.646  | -0.892  |
| *Bretschneidera sinensis* | Tree | -0.281  | -0.337  | -0.427  | -0.288  | -0.408  | -0.645  |
| *Thuja koraiensis* | Tree | -0.425  | -0.571  | -0.727  | -0.407  | -0.761  | -0.989  |
| *Phellodendron chinense* | Tree | -0.348  | -0.360  | -0.474  | -0.306  | -0.461  | -0.730  |
| *Brasenia schreberi* | Herb | -0.125  | -0.178  | -0.199  | -0.106  | -0.206  | -0.301  |
| *Alsophila denticulata* | Fern | -0.116  | -0.174  | -0.186  | -0.123  | -0.225  | -0.265  |
| *Picea neoveitchii* | Tree | -0.500  | -0.608  | -0.663  | -0.508  | -0.695  | -0.898  |
| *Alsophila gigantea* | Fern | 0.010  | 0.016  | 0.040  | 0.021  | 0.024  | 0.047  |
| *Taxus cuspidata* | Tree | -0.093  | -0.169  | -0.204  | -0.058  | -0.235  | -0.504  |
| *Caryota obtusa* | Tree | 0.053  | 0.054  | 0.019  | 0.034  | 0.065  | 0.068  |
| *Kingdonia uniflora* | Herb | 0.022  | 0.003  | -0.010  | 0.046  | 0.001  | -0.059  |
| *Michelia wilsonii* | Tree | -0.715  | -0.804  | -0.852  | -0.693  | -0.842  | -0.971  |
| *Liriodendron chinense* | Tree | -0.328  | -0.359  | -0.455  | -0.315  | -0.463  | -0.705  |
| *Torreya grandis* | Tree | -0.169  | -0.166  | -0.266  | -0.138  | -0.182  | -0.380  |
| *Sagittaria natans* | Herb | 0.034  | 0.057  | 0.096  | 0.073  | 0.060  | -0.091  |
| *Fokienia hodginsii* | Tree | -0.185  | -0.229  | -0.298  | -0.167  | -0.312  | -0.434  |
| *Davidia involucrata* | Tree | -0.432  | -0.468  | -0.570  | -0.401  | -0.545  | -0.789  |
| *Davidia involucrata* var. *vilmoriniana* | Tree | -0.463  | -0.531  | -0.627  | -0.441  | -0.618  | -0.864  |
| *Gmelina hainanensis* | Tree | 0.244  | 0.276  | 0.326  | 0.255  | 0.328  | 0.429  |
| *Alsophila podophylla* | Fern | 0.061  | 0.077  | 0.062  | 0.103  | 0.096  | 0.134  |
| *Toona ciliata* | Tree | -0.093  | -0.125  | -0.142  | -0.096  | -0.159  | -0.229  |
| *Taxus wallichiana* var. *chinensis* | Tree | -0.291  | -0.325  | -0.399  | -0.283  | -0.396  | -0.635  |
| *Ormosia hosiei* | Tree | -0.255  | -0.260  | -0.378  | -0.214  | -0.353  | -0.646  |
| *Meconopsis punicea* | Herb | -0.033  | -0.057  | -0.115  | -0.026  | -0.095  | -0.300  |
| *Pinus koraiensis* | Tree | -0.027  | -0.111  | -0.171  | -0.014  | -0.192  | -0.546  |
| *Magnolia officinalis* | Tree | -0.234  | -0.264  | -0.385  | -0.217  | -0.327  | -0.621  |
| *Ormosia henryi* | Tree | -0.194  | -0.239  | -0.283  | -0.179  | -0.308  | -0.407  |
| *Pinus kwangtungensis* | Tree | -0.441  | -0.517  | -0.594  | -0.475  | -0.644  | -0.808  |
| *Castanopsis concinna* | Tree | 0.177  | 0.200  | 0.226  | 0.182  | 0.232  | 0.317  |
| *Phellodendron amurense* | Tree | 0.001  | -0.027  | -0.075  | 0.003  | -0.048  | -0.160  |
| *Pseudotsuga sinensis* | Tree | -0.486  | -0.490  | -0.602  | -0.431  | -0.579  | -0.846  |
| *Cibotium barometz*  | Fern | -0.129  | -0.184  | -0.249  | -0.101  | -0.217  | -0.325  |
| *Pseudolarix amabilis* | Tree | -0.400  | -0.458  | -0.586  | -0.384  | -0.592  | -0.817  |
| *Fagopyrum dibotrys* | Herb | -0.258  | -0.266  | -0.371  | -0.242  | -0.327  | -0.579  |
| *Zelkova schneideriana* | Tree | -0.284  | -0.268  | -0.395  | -0.259  | -0.361  | -0.645  |
| *Cercidiphyllum japonicum* | Tree | -0.299  | -0.318  | -0.401  | -0.282  | -0.396  | -0.617  |
| *Nelumbo nucifera* | Herb | 0.012  | -0.008  | 0.028  | 0.038  | 0.000  | 0.049  |
| *Rhoiptelea chiliantha* | Tree | -0.070  | -0.080  | -0.079  | -0.069  | -0.122  | -0.113  |
| *Toona ciliata* var. *pubescens* | Tree | -0.037  | -0.016  | -0.032  | -0.028  | -0.027  | -0.027  |
| *Phoebe bournei* | Tree | -0.273  | -0.294  | -0.429  | -0.276  | -0.392  | -0.669  |
| *Aldrovanda vesiculosa* | Herb | -0.189  | -0.221  | -0.328  | -0.144  | -0.309  | -0.746  |
| *Taxus wallichiana* var. *mairei* | Tree | -0.236  | -0.271  | -0.352  | -0.226  | -0.339  | -0.557  |
| *Phoebe zhennan* | Tree | -0.517  | -0.546  | -0.670  | -0.495  | -0.644  | -0.872  |
| *Abies chensiensis* | Tree | -0.291  | -0.384  | -0.422  | -0.282  | -0.463  | -0.666  |
| *Zenia insignis* | Tree | -0.089  | -0.124  | -0.125  | -0.144  | -0.221  | -0.264  |
| *Machilus nanmu* | Tree | -0.215  | -0.279  | -0.301  | -0.218  | -0.317  | -0.451  |
| *Eurycorymbus cavaleriei* | Tree | -0.397  | -0.394  | -0.541  | -0.416  | -0.556  | -0.832  |
| *Euchresta japonica* | Shrub | -0.164  | -0.172  | -0.239  | -0.180  | -0.231  | -0.367  |
| *Anisodus tanguticus* | Herb | -0.299  | -0.316  | -0.372  | -0.295  | -0.411  | -0.592  |
| *Dipentodon sinicus* | Shrub | -0.014  | -0.012  | -0.026  | -0.009  | -0.017  | -0.031  |
| *Ceratopteris thalictroides* | Fern | 0.154  | 0.152  | 0.176  | 0.160  | 0.190  | 0.272  |
| [*Tetracentron sinense*](http://foc.eflora.cn/content.aspx?TaxonId=200008490) | Tree | -0.260  | -0.309  | -0.345  | -0.267  | -0.358  | -0.577  |
| *Fraxinus mandschurica* | Tree | -0.126  | -0.186  | -0.206  | -0.119  | -0.251  | -0.411  |
| [*Metasequoia glyptostroboides*](http://foc.eflora.cn/content.aspx?TaxonId=200005396) | Tree | -0.225  | -0.292  | -0.355  | -0.225  | -0.370  | -0.593  |
| *Larix mastersiana* | Tree | 0.027  | 0.032  | 0.046  | 0.088  | 0.010  | 0.017  |
| *Brainea insignis* | Fern | 0.067  | 0.073  | 0.082  | 0.072  | 0.094  | 0.138  |
| *Malania oleifera* | Tree | 0.503  | 0.503  | 0.504  | 0.503  | 0.504  | 0.504  |
| *Alsophila spinulosa* | Fern | 0.021  | 0.024  | 0.021  | 0.008  | 0.009  | 0.002  |
| *Taiwania cryptomerioides* | Tree | -0.282  | -0.262  | -0.361  | -0.228  | -0.359  | -0.556  |
| *Cinnamomum japonicum* | Tree | -0.024  | -0.034  | -0.009  | -0.009  | -0.015  | 0.007  |
| *Myriophyllum ussuriense* | Herb | 0.003  | 0.035  | 0.045  | 0.029  | 0.036  | -0.062  |
| *Oyama wilsonii* | Shrub | 0.010  | -0.002  | -0.025  | -0.001  | -0.026  | -0.065  |
| *Camptotheca acuminata* | Tree | -0.191  | -0.180  | -0.286  | -0.203  | -0.267  | -0.492  |
| *Emmenopterys henryi* | Tree | -0.275  | -0.299  | -0.397  | -0.253  | -0.373  | -0.627  |
| *Alsophila metteniana* | Fern | -0.197  | -0.242  | -0.288  | -0.226  | -0.338  | -0.501  |
| *Triaenophora rupestris* | Herb | -0.520  | -0.563  | -0.618  | -0.490  | -0.617  | -0.837  |
| *Glycine soja* | Herb | -0.111  | -0.119  | -0.156  | -0.086  | -0.158  | -0.265  |
| *Ginkgo biloba* | Tree | -0.345  | -0.376  | -0.447  | -0.324  | -0.457  | -0.640  |
| *Picea brachytyla* var. *complanata* | Tree | -0.226  | -0.257  | -0.349  | -0.199  | -0.311  | -0.571  |
| *Cinnamomum longepaniculatum* | Tree | -0.303  | -0.387  | -0.436  | -0.329  | -0.480  | -0.704  |
| *Cinnamomum camphora* | Tree | -0.179  | -0.196  | -0.231  | -0.143  | -0.218  | -0.233  |
| *Phoebe chekiangensis* | Tree | 0.059  | 0.091  | 0.025  | 0.101  | 0.159  | 0.166  |
| *Zoysia sinica* | Herb | -0.349  | -0.364  | -0.397  | -0.409  | -0.507  | -0.488  |
| *Platycrater arguta* | Shrub | 0.014  | -0.004  | -0.057  | 0.040  | 0.071  | 0.050  |
| *Acer amplum* subsp. *catalpifolium* | Tree | -0.095  | -0.133  | -0.149  | -0.109  | -0.182  | -0.292  |
| *Tilia amurensis* | Tree | -0.059  | -0.125  | -0.207  | -0.054  | -0.163  | -0.372  |
| *Madhuca pasquieri* | Tree | 0.145  | 0.177  | 0.221  | 0.158  | 0.211  | 0.301  |
| *Chosenia arbutifolia* | Tree | -0.096  | -0.154  | -0.272  | -0.084  | -0.240  | -0.535  |