**Table S7.** Summary of overlap between current and future climatically suitable habitat for threatened plant species.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Type | 2050s-Low | 2050s-Medium | 2050s-High | 2080s-Low | 2080s-Medium | 2080s-High |
| *Magnolia officinalis* subsp. *biloba* | Tree | 0.904  | 0.895  | 0.881  | 0.904  | 0.878  | 0.840  |
| *Torreya fargesii* | Tree | 0.824  | 0.815  | 0.764  | 0.835  | 0.765  | 0.637  |
| *Pseudotaxus chienii* | Shrub | 0.974  | 0.968  | 0.965  | 0.972  | 0.965  | 0.961  |
| *Semiliquidambar cathayensis* | Tree | 0.892  | 0.885  | 0.864  | 0.893  | 0.850  | 0.795  |
| *Cephalotaxus oliveri* | Shrub | 0.740  | 0.739  | 0.675  | 0.744  | 0.651  | 0.511  |
| *Bretschneidera sinensis* | Tree | 0.852  | 0.827  | 0.794  | 0.844  | 0.800  | 0.719  |
| *Thuja koraiensis* | Tree | 0.752  | 0.696  | 0.623  | 0.761  | 0.619  | 0.524  |
| *Phellodendron chinense* | Tree | 0.817  | 0.808  | 0.746  | 0.826  | 0.757  | 0.594  |
| *Brasenia schreberi* | Herb | 0.962  | 0.952  | 0.946  | 0.964  | 0.951  | 0.929  |
| *Alsophila denticulata* | Fern | 0.947  | 0.931  | 0.929  | 0.948  | 0.935  | 0.898  |
| *Picea neoveitchii* | Tree | 0.721  | 0.668  | 0.619  | 0.719  | 0.613  | 0.479  |
| *Alsophila gigantea* | Fern | 0.994  | 0.995  | 0.992  | 0.994  | 0.994  | 0.988  |
| *Taxus cuspidata* | Tree | 0.950  | 0.935  | 0.923  | 0.956  | 0.921  | 0.849  |
| *Caryota obtusa* | Tree | 0.980  | 0.984  | 0.990  | 0.982  | 0.983  | 0.980  |
| *Kingdonia uniflora* | Herb | 0.980  | 0.982  | 0.983  | 0.981  | 0.981  | 0.975  |
| *Michelia wilsonii* | Tree | 0.607  | 0.576  | 0.545  | 0.620  | 0.531  | 0.403  |
| *Liriodendron chinense* | Tree | 0.826  | 0.822  | 0.776  | 0.831  | 0.777  | 0.685  |
| *Torreya grandis* | Tree | 0.899  | 0.900  | 0.863  | 0.904  | 0.884  | 0.827  |
| *Sagittaria natans* | Herb | 0.953  | 0.951  | 0.940  | 0.959  | 0.944  | 0.886  |
| *Fokienia hodginsii* | Tree | 0.899  | 0.893  | 0.888  | 0.904  | 0.879  | 0.851  |
| *Davidia involucrata* | Tree | 0.753  | 0.733  | 0.652  | 0.778  | 0.687  | 0.484  |
| *Davidia involucrata* var. *vilmoriniana* | Tree | 0.745  | 0.699  | 0.623  | 0.760  | 0.637  | 0.416  |
| *Gmelina hainanensis* | Tree | 0.957  | 0.954  | 0.945  | 0.954  | 0.942  | 0.921  |
| *Alsophila podophylla* | Fern | 0.956  | 0.957  | 0.962  | 0.941  | 0.938  | 0.937  |
| *Toona ciliata* | Tree | 0.949  | 0.944  | 0.936  | 0.941  | 0.929  | 0.914  |
| *Taxus wallichiana* var. *chinensis* | Tree | 0.855  | 0.826  | 0.789  | 0.846  | 0.797  | 0.628  |
| *Ormosia hosiei* | Tree | 0.821  | 0.817  | 0.753  | 0.818  | 0.767  | 0.649  |
| *Meconopsis punicea* | Herb | 0.952  | 0.948  | 0.929  | 0.954  | 0.930  | 0.850  |
| *Pinus koraiensis* | Tree | 0.918  | 0.891  | 0.873  | 0.922  | 0.860  | 0.733  |
| *Magnolia officinalis* | Tree | 0.819  | 0.821  | 0.756  | 0.827  | 0.776  | 0.668  |
| *Ormosia henryi* | Tree | 0.918  | 0.913  | 0.901  | 0.919  | 0.891  | 0.872  |
| *Pinus kwangtungensis* | Tree | 0.868  | 0.849  | 0.823  | 0.861  | 0.815  | 0.757  |
| *Castanopsis concinna* | Tree | 0.978  | 0.977  | 0.975  | 0.975  | 0.969  | 0.947  |
| *Phellodendron amurense* | Tree | 0.950  | 0.946  | 0.929  | 0.956  | 0.930  | 0.903  |
| *Pseudotsuga sinensis* | Tree | 0.773  | 0.787  | 0.705  | 0.799  | 0.715  | 0.557  |
| *Cibotium barometz*  | Fern | 0.928  | 0.929  | 0.910  | 0.934  | 0.919  | 0.893  |
| *Pseudolarix amabilis* | Tree | 0.870  | 0.879  | 0.848  | 0.891  | 0.845  | 0.823  |
| *Fagopyrum dibotrys* | Herb | 0.873  | 0.866  | 0.817  | 0.876  | 0.839  | 0.737  |
| *Zelkova schneideriana* | Tree | 0.846  | 0.854  | 0.786  | 0.846  | 0.799  | 0.688  |
| *Cercidiphyllum japonicum* | Tree | 0.810  | 0.807  | 0.756  | 0.812  | 0.749  | 0.550  |
| *Nelumbo nucifera* | Herb | 0.969  | 0.957  | 0.960  | 0.972  | 0.962  | 0.958  |
| *Rhoiptelea chiliantha* | Tree | 0.984  | 0.984  | 0.985  | 0.984  | 0.981  | 0.983  |
| *Toona ciliata* var. *pubescens* | Tree | 0.976  | 0.978  | 0.977  | 0.980  | 0.976  | 0.975  |
| *Phoebe bournei* | Tree | 0.879  | 0.881  | 0.834  | 0.874  | 0.846  | 0.766  |
| *Aldrovanda vesiculosa* | Herb | 0.905  | 0.854  | 0.827  | 0.908  | 0.818  | 0.646  |
| *Taxus wallichiana* var. *mairei* | Tree | 0.870  | 0.863  | 0.819  | 0.871  | 0.825  | 0.730  |
| *Phoebe zhennan* | Tree | 0.642  | 0.622  | 0.536  | 0.662  | 0.554  | 0.393  |
| *Abies chensiensis* | Tree | 0.795  | 0.759  | 0.721  | 0.799  | 0.709  | 0.511  |
| *Zenia insignis* | Tree | 0.952  | 0.955  | 0.963  | 0.942  | 0.937  | 0.934  |
| *Machilus nanmu* | Tree | 0.963  | 0.947  | 0.949  | 0.963  | 0.950  | 0.914  |
| *Eurycorymbus cavaleriei* | Tree | 0.835  | 0.851  | 0.796  | 0.839  | 0.814  | 0.720  |
| *Euchresta japonica* | Shrub | 0.944  | 0.942  | 0.921  | 0.941  | 0.924  | 0.893  |
| *Anisodus tanguticus* | Herb | 0.786  | 0.758  | 0.707  | 0.786  | 0.696  | 0.532  |
| *Dipentodon sinicus* | Shrub | 0.997  | 0.995  | 0.994  | 0.997  | 0.995  | 0.992  |
| *Ceratopteris thalictroides* | Fern | 0.984  | 0.982  | 0.977  | 0.978  | 0.972  | 0.957  |
| [*Tetracentron sinense*](http://foc.eflora.cn/content.aspx?TaxonId=200008490) | Tree | 0.856  | 0.837  | 0.803  | 0.840  | 0.813  | 0.648  |
| *Fraxinus mandschurica* | Tree | 0.890  | 0.875  | 0.856  | 0.885  | 0.841  | 0.774  |
| [*Metasequoia glyptostroboides*](http://foc.eflora.cn/content.aspx?TaxonId=200005396) | Tree | 0.881  | 0.863  | 0.837  | 0.885  | 0.828  | 0.748  |
| *Larix mastersiana* | Tree | 0.958  | 0.955  | 0.963  | 0.959  | 0.951  | 0.955  |
| *Brainea insignis* | Fern | 0.985  | 0.985  | 0.982  | 0.984  | 0.980  | 0.969  |
| *Malania oleifera* | Tree | 0.906  | 0.905  | 0.905  | 0.906  | 0.905  | 0.905  |
| *Alsophila spinulosa* | Fern | 0.974  | 0.972  | 0.982  | 0.971  | 0.967  | 0.965  |
| *Taiwania cryptomerioides* | Tree | 0.938  | 0.941  | 0.930  | 0.946  | 0.931  | 0.899  |
| *Cinnamomum japonicum* | Tree | 0.971  | 0.968  | 0.955  | 0.959  | 0.976  | 0.939  |
| *Myriophyllum ussuriense* | Herb | 0.978  | 0.978  | 0.976  | 0.980  | 0.976  | 0.969  |
| *Oyama wilsonii* | Shrub | 0.992  | 0.990  | 0.987  | 0.990  | 0.987  | 0.974  |
| *Camptotheca acuminata* | Tree | 0.899  | 0.905  | 0.859  | 0.878  | 0.857  | 0.772  |
| *Emmenopterys henryi* | Tree | 0.824  | 0.817  | 0.763  | 0.829  | 0.774  | 0.663  |
| *Alsophila metteniana* | Fern | 0.940  | 0.928  | 0.911  | 0.937  | 0.905  | 0.861  |
| *Triaenophora rupestris* | Herb | 0.700  | 0.673  | 0.645  | 0.709  | 0.646  | 0.535  |
| *Glycine soja* | Herb | 0.881  | 0.872  | 0.853  | 0.885  | 0.841  | 0.785  |
| *Ginkgo biloba* | Tree | 0.820  | 0.813  | 0.779  | 0.826  | 0.779  | 0.676  |
| *Picea brachytyla* var. *complanata* | Tree | 0.871  | 0.853  | 0.802  | 0.872  | 0.832  | 0.688  |
| *Cinnamomum longepaniculatum* | Tree | 0.899  | 0.875  | 0.848  | 0.892  | 0.856  | 0.741  |
| *Cinnamomum camphora* | Tree | 0.878  | 0.876  | 0.865  | 0.890  | 0.863  | 0.844  |
| *Phoebe chekiangensis* | Tree | 0.985  | 0.984  | 0.978  | 0.977  | 0.977  | 0.974  |
| *Zoysia sinica* | Herb | 0.930  | 0.882  | 0.839  | 0.854  | 0.857  | 0.855  |
| *Platycrater arguta* | Shrub | 0.979  | 0.980  | 0.978  | 0.977  | 0.974  | 0.974  |
| *Acer amplum* subsp. *catalpifolium* | Tree | 0.966  | 0.956  | 0.952  | 0.960  | 0.945  | 0.911  |
| *Tilia amurensis* | Tree | 0.938  | 0.918  | 0.904  | 0.933  | 0.904  | 0.864  |
| *Madhuca pasquieri* | Tree | 0.967  | 0.970  | 0.965  | 0.969  | 0.965  | 0.955  |
| *Chosenia arbutifolia* | Tree | 0.907  | 0.882  | 0.861  | 0.917  | 0.854  | 0.733  |