Table S4 The rank of temperature variables based on variable contribution

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Magnolia biondii* | *Magnolia denudata* | *Magnolia sprengeri* |
| Percent contribution | Min temperature of coldest month Temperature seasonality Mean temperature of wettest quarter Mean diurnal range | Min temperature of coldest month Temperature seasonality Mean temperature of wettest quarter Mean diurnal range | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  |
| Permutation importance | Temperature seasonality Min temperature of coldest month Mean temperature of wettest quarterMean diurnal range | Min temperature of coldest month Temperature seasonality Mean temperature of wettest quarter Mean diurnal range | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  |
| Training gain | Min temperature of coldest month Mean diurnal rangeTemperature seasonality Mean temperature of wettest quarter | Min temperature of coldest month Mean diurnal rangeTemperature seasonality Mean temperature of wettest quarter | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  |
| AUC | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  | Min temperature of coldest month Mean diurnal rangeTemperature seasonality Mean temperature of wettest quarter | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  |
| Test gain | Min temperature of coldest month Mean diurnal rangeTemperature seasonality Mean temperature of wettest quarter | Min temperature of coldest month Mean diurnal rangeTemperature seasonality Mean temperature of wettest quarter | Min temperature of coldest month Temperature seasonality Mean diurnal rangeMean temperature of wettest quarter  |