Table S5 The rank of precipitation variables based on variable contribution

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Magnolia biondii* | *Magnolia denudata* | *Magnolia sprengeri* |
| Percent contribution | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter |
| Permutation importance | Annual precipitation  Precipitation of warmest quarter  Precipitation seasonality | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter |
| Training gain | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation of warmest quarter  Precipitation seasonality | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter |
| AUC | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation of warmest quarter  Precipitation seasonality | Precipitation seasonality  Annual precipitation  Precipitation of warmest quarter |
| Test gain | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter | Annual precipitation  Precipitation of warmest quarter  Precipitation seasonality | Annual precipitation  Precipitation seasonality  Precipitation of warmest quarter |