SUPPLEMENTARY MATERIAL

Jevšenak, J., Džeroski, S., Zavadlav, S., Levanič, T., 2018. A machine learning approach to analyzing the relationship between temperatures and multi-proxy tree-ring records. Tree-Ring Research 74(2):209-223. (Supplementary Material PDF: TableS1)

Table S1: Tuned parameters for nonlinear methods: Artificial Neural Networks (ANN), Model Trees (MT), Bagging of Model Trees (BMT) and Random Forests of regression trees (RF).

		Tuned values of parameters	
Method	Parameter	Spring model	Summer model
ANN	neurons – number of neurons used	1	1
MT	M – minimum number of instances per leaf	15	15
MT	N – use unpruned tree/rules	TRUE	TRUE
MT	U – use unsmoothed predictions	FALSE	FALSE
MT	R – build regression tree/rule rather than a	FALSE	FALSE
	model tree/rule		
BMT	P – size of each bag, as a percentage of the	80	80
	training set size		
BMT	I – number of iterations	100	100
BMT	M – minimum number of instances per leaf	15	15
BMT	N – use unpruned tree/rules	TRUE	TRUE
BMT	U – use unsmoothed predictions	FALSE	FALSE
BMT	R – build regression tree/rule rather than a	FALSE	FALSE
	model tree/rule		
RF	P - size of each bag, as a percentage of the	100	100
	training set size		
RF	I – number of iterations	100	100
RF	depth – maximum depth of the tree, 0 for	2	2
	unlimited		