SUPPLEMENTARY DATA
Claverie, M., Lecomte, P., Delorme, G., Dumot, V., Jacquet, O., & Cochard, H. (2023). Xylem water transport is influenced by age and winter pruning characteristics in grapevine (*Vitis vinifera*). *OENO One*, *57*(3).
https://doi.org/10.20870/oeno-one.2023.57.3.7452

Supplementary data

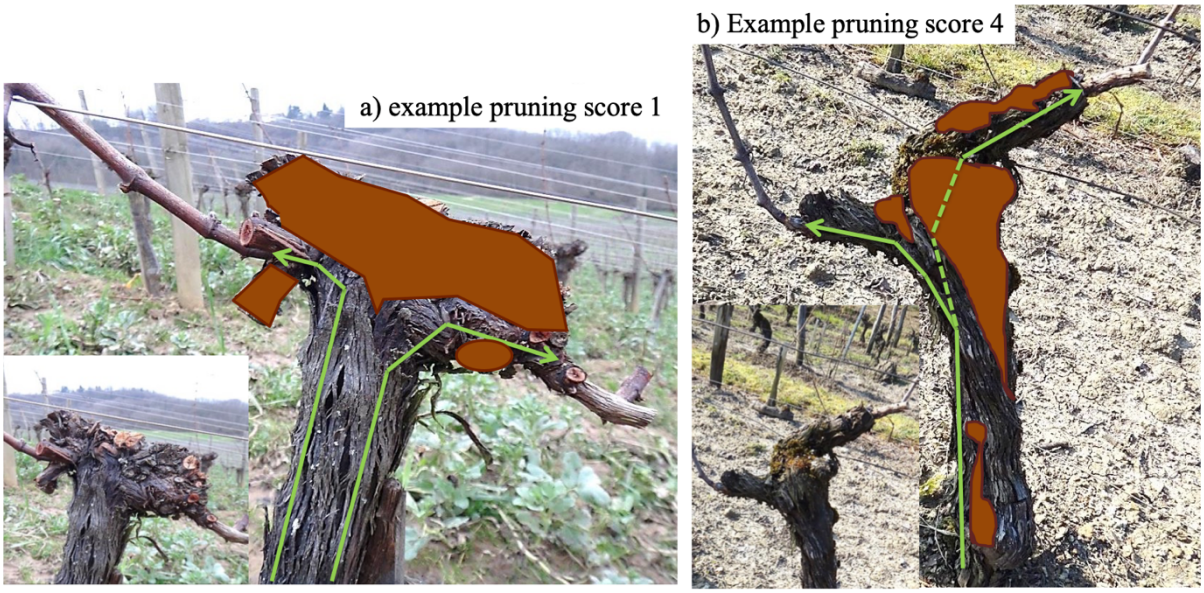
SUPPLEMENTARY TABLE S1. Visual assessment of the aspect of circumference of living wood on transverse sections of trunks (left) and arms (right) for Jura (a) and Bordeaux (b) vineyards.

(a)	Jura vineyard						
		Trunk			Arms		
	Number of vines	Total number of sections observed	Number of sections with full circumference of living wood	%	Total number of sections	Number of sections with >50% circumference of living wood	%
Y+	6	20	15	75%	0	-	-
Y-	6	21	10	48%	1	0	-
O+	6	15	7	47%	23	6	26%
O-	6	24	3	13%	5	1	-

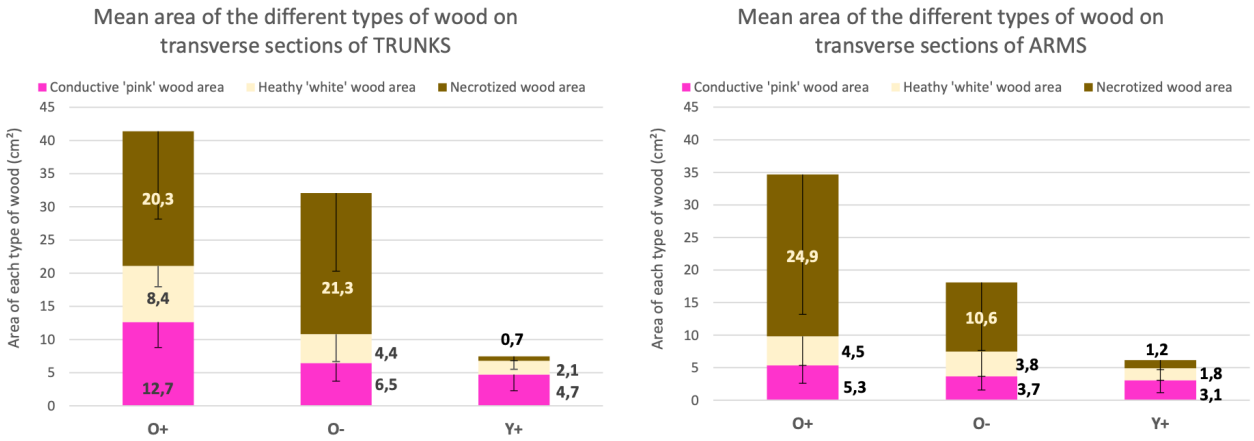
(b)	Bordeaux vineyard						
		Trunk			Arms		
	Nb of vines	Total number of sections observed	Number of sections with full circumference of living wood	%	Total number of sections	Number of sections with >50% circumference of living wood	%
Y+	8	20	16	80%	17	17	100%
Y-							
O+	7	19	9	47%	26	14	54%
O-	7	23	0	0%	18	8	44%

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SUPPLEMENTARY FIGURE S1. Examples of 2 vines with contrasting pruning scores 1 and 4. For each vine, main right picture underlines the different external pruning criteria used for global vine scoring. Small left picture recalls original vine aspect. Brown areas=pruning wounds accumulation, green full lines= sap flow pathways on the trunk and green dotted lines = blocking zone of dead wood implicating sap flow reorientation to supply right arm of the vine.

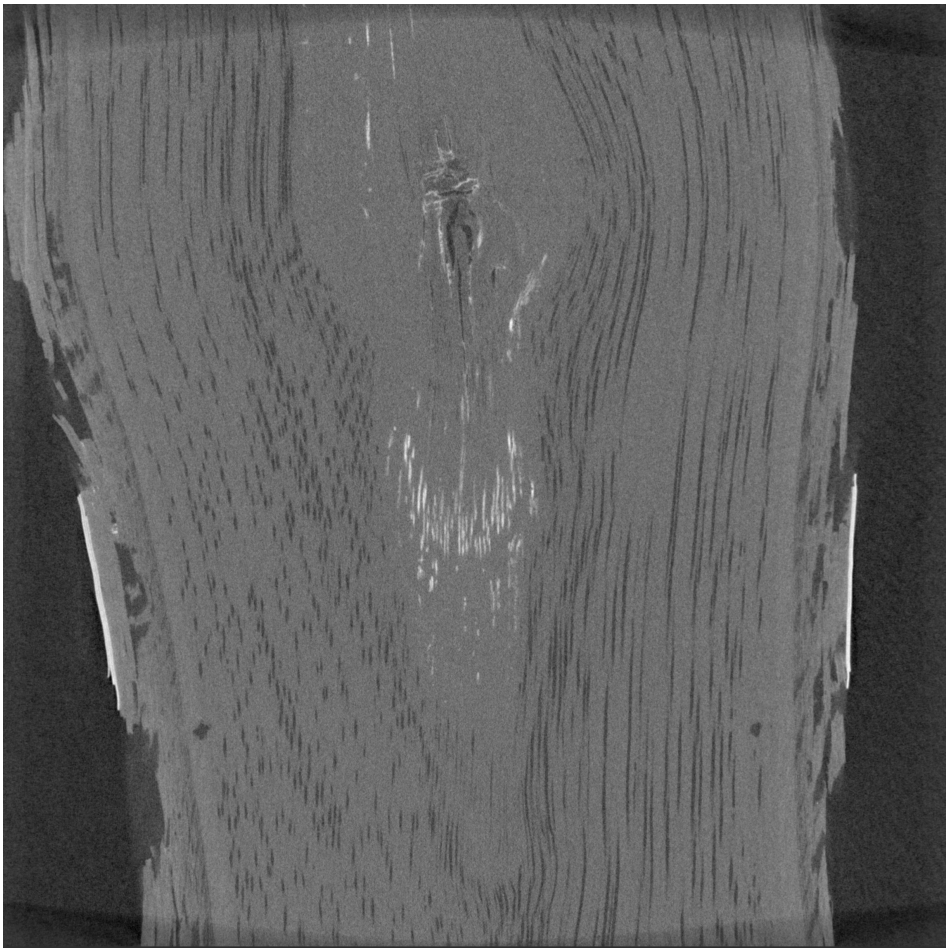


SUPPLEMENTARY FIGURE S2. Mean absolute values of necrotized, 'white' visually healthy and 'pink stained' conductive wood areas on each treatment of Bordeaux vineyard for trunks (left) and arms (right). O+=7 vines; O-=7 vines and Y+=8vines. Bars=standard deviation.



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SUPPLEMENTARY FIGURE S3. X ray tomography photograph of a longitudinal wood slice cut from a vine trunk collected in a vineyard in Côtes du Rhône. The picture shows at the top centre an old pruning wound. Around this wound xylem vessels are arranged in all directions, some cut transversely, others longitudinally.



Phoenix Nanotom® device, INRAE Clermont-Ferrand (Cochard *et al.,* 2015). Sample width is 5 cm.

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SUPPLEMENTARY FIGURE S4. Detail of conductance measurements per vine for each treatment and vineyard. Each box-plot is built using individual measurement on shoots. Top and down horizontal bars=maximum and minimum, box lines=quartile1, median and quartile 3 values, red cross=mean value, circles = extreme values.

