SUPPLEMENTARY DATA
Millan, M., Simonneau, T., Coupe-Ledru, A., Boulord, R., Christophe, A., & Pallas, B. (2023). Relationships between leaf temperature, stomatal conductance and architecture: potential impact on leaf burning in grapevine: This article is published in cooperation with the 22nd GiESCO International Meeting, hosted by Cornell University in Ithaca, NY, July 17-21, 2023. *OENO One*, *57*(2).
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Supplementary data

Supplementary Table S1. Characteristics of the genotypes followed in this study depending on the intensity of leaf burning symptoms observed in 2019. Two variables were estimated, (1) the percentage of foliage burnt (0-100%) ie. the percentage of leaves on wich burning symptoms were observed, (2) the intensity of burning symptom ie. the percentage of each individual leaf area affected by the burning symptom (0: absence of burning symptom, 5: entire leaf area burnt). An index of sensitivity was computed from both variables as (% foliage burnt × burning intensity / 5). Genotypes were assigned to the group 'resistant' when the index of sensitivity was lower than 1, and were assigned to the group 'sensitive' when this index was higher than 20. The other genotypes were assigned to the group 'medium'.

Genotype	Percentage of foliage burnt	Burning intensity	Index of sensitivity	Genotypic class
AFFENTH	1	1	0.2	resistant
AHMEHSA	40	4	32	sensitive
AVARENGO	8	2	3.2	medium
BABICR	5	2	2	medium
BELLEDEN	1	1	0.2	resistant
CHAOUCHB	1	1	0.2	resistant
CHAPTAL	50	5	50	sensitive
COARNA	10	2	4	medium
DANUGUE	20	3	12	medium
FREISA	0	0	0	resistant
GHERMA	40	3	24	sensitive
GRAECO	35	4	28	sensitive
KARAOGLA	5	4	4	medium
KVIDINKA	2	1	0.4	resistant

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LAUZETB	0	0	0	resistant
MAUZAC	40	4	32	sensitive
MISSION	1	1	0.2	resistant
MORRASTEL	35	3	21	sensitive
NEGRUV	5	2	2	medium
PARDINA	40	3	24	sensitive
PEIKANI	35	3	21	sensitive
PETITVER	10	4	8	medium
PLANTDEC	0	0	0	resistant
POULSARD	5	2	2	medium
RABOSO	0	0	0	resistant
SALIC	2	1	0.4	resistant
SOUSO	3	1	0.6	resistant
TOTIKA	5	1	1	medium
VERDISO	1	1	0.2	resistant
OPSIMOE	15	3	9	medium
STAPHID	5	3	3	medium

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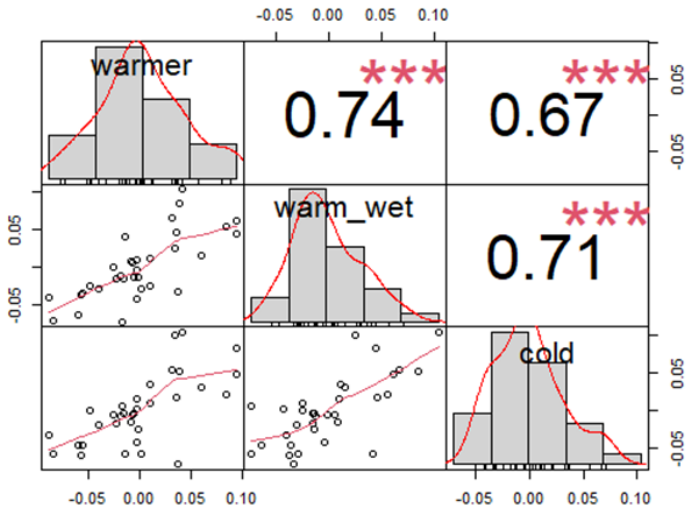

Supplementary Figure S1. Correlation analysis between the residuals of the relationships between gs and Tleaf (Figure 4) for the warmer, warm_wet and cold measurement periods. The point clouds are represented in the bottom part of the figure. The person coefficient of correlation and its significance (*: P < 0.001) is represented in the upper part of the figure. The distribution of the variable is shown in the diagonal**

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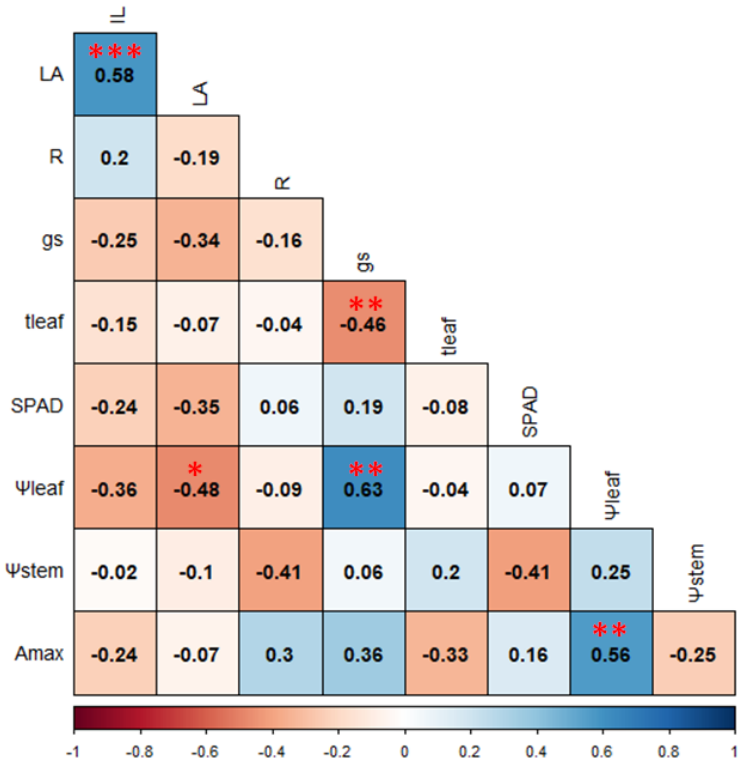

Supplementary Figure S2. Pearson coefficient of correlations and associated significance of the *P*-values (*: 0.001 < P < 0.01; *: 0.01 <P < 0.05) between the genotypic values of architectural and functional traits**

Supplementary Table S2. Coefficient of correlations between the architectural and functional variables and the first three dimensions of the PCA (Figure 6) performed on the genotypic values of each trait.

	LEN	SF	R	gs	Tleaf	SPAD	Ψleaf	Ψstem	Amax
Dim 1	-0.64	-0.71	0.01	0.69	-0.20	0.40	0.76	-0.02	0.58
Dim 2	0.24	0.10	0.67	-0.10	-0.25	0.46	-0.24	-0.84	0.38
Dim 3	0.45	0.43	-0.12	0.47	-0.76	-0.34	0.15	0.14	0.24