

Supplementary File

Figure S1. Sketch of Slope trunk with vertical shoot positioning training system (M-VSP).

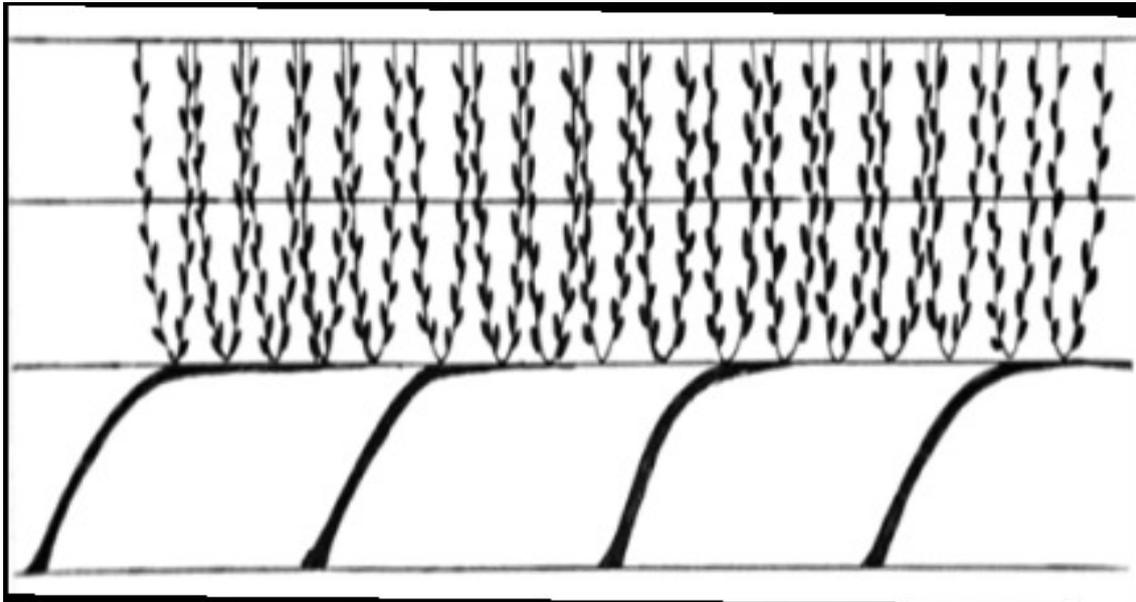


Table S1. Correlation coefficients between some variables on ‘Cabernet sauvignon’ grape from two vineyards in 2011 and 2012. A, Total concentrations of anthocyanins; B, 3'5'-substituted anthocyanins; C, 3'-substituted anthocyanins; D, non-acylated anthocyanins; E, acetylated anthocyanins; F, cinnamylated anthocyanins; G, non-methoxylated; H, methoxylated anthocyanins; I, berry fresh weight; J, skin fresh weight; K, cluster weight; L, cluster compactness; M, $\delta^{13}\text{C}$; N, N status of the plant; O, Leaf chlorophyll II ; P, organic matter in soils; Q, water content in soils.

Variant	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
A	0.999**	0.718	0.950*	0.998**	0.749	0.749	0.996	-0.677	0.951*	-0.551	-0.972*	0.968*	-0.961*	-0.92	-0.939	-0.939
B		0.69	0.946	0.999**	0.753	0.755	0.994**	-0.67	0.956*	-0.527	-0.961*	0.956*	-0.965*	-0.927	-0.928	-0.928
C			0.821	0.673	0.281	0.63	0.703	-0.788	0.515	-0.547	-0.825	0.825	-0.69	-0.452	-0.746	-0.746
D				0.934	0.506	0.894	0.92	-0.872	0.809	-0.375	-0.924	0.916	-0.979*	-0.754	-0.834	-0.834
E					0.774	0.736	0.995**	-0.645	0.965*	-0.541	-0.959*	0.955	-0.957*	0.939	-0.933	-0.933
F						0.155	0.803	-0.02	0.908	-0.776	-0.743	0.749	-0.567	-0.938	-0.846	-0.846
G							0.683	-0.951*	0.555	0.081	-0.655	0.640	-0.900	-0.487	-0.505	-0.505
H								-0.611	0.969*	-0.62	-0.978*	0.976*	-0.93	-0.945	-0.964*	-0.964*
I									-0.425	-0.011	0.648	-0.636	0.816	0.344	0.458	0.485
J										-0.627	-0.909	0.908	-0.86	-0.996**	-0.932	-0.932
K											0.696	-0.71	0.306	0.644	0.804	0.804
L												-1.00**	0.892	0.877	0.98*	0.98*
M													-0.883	-0.877	-0.983*	-0.983*
N														0.814	0.811	0.811
O															0.916	0.916
P																1.00**

** significant at 0.01 level, * significant at 0.05 level.