

**Table S1.** General vineyard parameters.

Vineyard	Geographical position	Altitude (m)	Plantation year	Soil type	Trellis system
M1	44° 7' 23" N, 15° 28' 52" E	60	2009	sand	bilateral cordon
M2	44° 0' 28" N, 15° 29' 41" E	103	2010	reclaimed karst	bilateral cordon
M3	43° 57' 20" N, 15° 43' 6" E	130	2008	brown	bilateral cordon
M4	43° 56' 37" N, 15° 43' 46" E	130	2003	sand	bilateral cordon
M5	43° 56' 55" N, 16° 4' 56" E	260	2006	brown	bilateral cordon
M6	43° 33' 34" N, 16° 22' 32" E	94	2011	red	bilateral cordon
M7	43°30' 35" N, 16°29' 85" E	14	2005	brown soil on limestone	bilateral cordon
M8	42°55' 36" N, 16° 54' 0" E	62	1941	red	bilateral cordon
M9	42°54' 51" N, 16°54' 58" E	40	2000	loam	bilateral cordon
M10	42° 54' 50" N, 16° 54' 52" E	40	2008	sand	bilateral cordon
M11	42° 55' 20" N, 16° 53' 54" E	68	1999	red	bilateral cordon