



# Malvasia di Casorzo 1

Raimondi S., Ruffa P., Carlomagno A., Schneider A., 2014. Malvasia di Casorzo 1 ITA360-699 (Malvasia di Casorzo). In: Italian Vitis Database, www.vitisdb.it, ISSN 2282-006X

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## Information managed by

Istituto per la Protezione Sostenibile delle Piante - CNR

## Acknowledgments

Ager Foundation, Regione Piemonte, DISAFA - University of Turin

## General information

**name** Malvasia di Casorzo 1  
**country of selection** Italia  
**province of selection** Asti  
**holding institution** Istituto per la Protezione Sostenibile delle Piante - CNR  
**collection vineyard** Grinzane Cavour  
**code** ITA360-699  
**region of selection** Piemonte  
**locality of selection** Casorzo

## Variety & clone

**type of origin** spontanea  
**specie** Vitis vinifera  
**variety** Malvasia di Casorzo  
**clone** not available  
**genera** Vitis  
**subspecie** sativa  
**variety code** IVD-var\_123  
**trueness to type** confirmed by ampelography and SSR-markers

## Trueness to type

### True-name

confirmed **yes**

### Trueness to type confirmed by ampelography

confirmation by ampelography **confirmed**

### related bibliography (1)

authors	year	title	journal	citation
Dell'Olio G., Malfatto P.	1964	Malvasia di Casorzo		In: Principali vitigni da vino coltivati in Italia, Vol. III. Ministero dell'Agricoltura e delle Foreste.

### Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **confirmed**

compared loci n.a.

identical loci n.a.

discrepancies n.a.

## Standardized microsatellite profile

loci:	predefined loci ( 9 )																	
SSR locus:	VVS2		VVMD5		VVMD7		VVMD27		VrZAG62		VrZAG79		VVMD25		VVMD28		VVMD32	
allele:	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2
size:	133	151	227	239	233	253	179	179	196	200	243	251	250	256	231	249	265	273

## Images



shoot



leaf





bunch



berry

## Ampelography

OIV	description	value		images
001	Young shoot: opening of the shoot tip	5	fully open	
003	Young Shoot: intensity of anthocyanin coloration on prostrate hairs of tip	3/5	low / medium	
004	Young Shoot: density of prostrate hairs on tip	3	low	
006	Shoot: attitude (before tying)	3	semi-erect	
007	Shoot: color of dorsal side of internodes	1/2	green / green and red	
008	Shoot: color of ventral side of internodes	1	green	
016	Shoot: number of consecutive tendrils	1	2 or less	
051	Young leaf: color of the upper side of blade (4 th leaf)	1	green	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	3	low	
067	Mature leaf: shape of blade	2/3	wedge-shaped / pentagonal	
068	Mature leaf: number of lobes	3	five	
070	Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	1	absent	
072	Mature leaf: goffering of blade	1	absent or very weak	
074	Mature leaf: profile of blade in cross section	2/3	V-shaped / involute	
075	Mature leaf: blistering of upper side of blade	3/5	weak / medium	
076	Mature leaf: shape of teeth	2/4	both sides straight / one side concave, one side convex	
079	Mature leaf: degree of opening / overlapping of petiole sinus	3/5	open / closed	
080	Mature leaf: shape of base of petiole sinus	3	V-shaped	
081-1	Mature leaf: teeth in the petiole sinus	1	none	
081-2	Mature leaf: petiole sinus base limited by veins	2/3	on one side / on both sides	
083-2	Mature leaf: teeth in the upper lateral sinuses	1	none	
084	Mature leaf: density of prostrate hairs between the main veins on lower side of blade	1	none or very low	
087	Mature leaf: density of erect hairs on main veins on lower side of blade	1/3	none or very low / low	
094	Mature leaf: depth of upper lateral sinuses	5	medium	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
152	Inflorescence: insertion of 1 st inflorescence	1/2	up to the 2nd node / 3rd and 4th node	
155	Shoot: fertility of basal buds (buds 1-3)	1/5	very low (<0,5) / medium (1,1-1,3)	
202	Bunch: length (peduncle excluded)	5	medium	
204	Bunch: density	5/7	medium / dense	
206	Bunch: length of peduncle of primary bunch	5	medium	
208	Bunch: shape	1	cylindrical	
209	Bunch: number of wings of the primary bunch	2	1 - 2 wings	

				
220	Berry: length	3 / 5	short / medium	
221	Berry: width	3 / 5	narrow / medium	
223	Berry: shape	2	globose	
225	Berry: color of skin	6	blue black	
231	Berry: intensity of flesh anthocyanin coloration	1	none or very weak	
235	Berry: firmness of flesh	1	soft	
236	Berry: particularity of flavor	1 / 2	none / muscat	
241	Berry: formation of seeds	3	complete	

### Ampelometry

#### OIV

no descriptors available for Malvasia di Casorzo 1

#### Superampelo

descriptor	distances	
	value	standard deviation
Distance from the petiole sinus to the lower right sinus	54.790	11.480
Distance from the petiole sinus to the upper left sinus	61.550	10.030
Distance from the petiole sinus to the upper right sinus	57.490	10.400
Vein N3', length from the petiole sinus to vein N4'	14.530	2.190
Vein N3, length from the petiole sinus to vein N4	16.570	10.760
Length of vein N5'	21.740	6.830
Length of vein N5	25.260	6.530
Length of vein N4'	52.520	5.080
Length of vein N4	59.010	19.470
Leaf length	172.490	13.450
Leaf width	171.540	4.540
Leaf length Including the petiole	206.230	27.250
Petiole length	83.260	20.030
Length of vein N1	122.980	10.080
Distance between the ends of veins N2 and N2'	145.560	19.870
Distance between the ends of veins N3 and N3'	170.290	5.210
Distance between the ends of veins N4 and N4'	96.230	13.690
Width of petiole sinus / Distance between points SP and SP'	-27.530	7.510
Length of vein N2	106.230	6.980
Length of vein N2'	111.230	6.990
Length of vein N3	84.350	6.120
Length of vein N3'	86.440	2.740
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	44.040	13.380
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	51.170	10.220
Distance from the petiole sinus to the lower left sinus	56.310	9.070

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	57.670	4.160
Angle between N1 and N2' measured at the first bifurcation	57.070	5.580
Angle between N2 and N3 measured at the first bifurcation	53.680	14.780
Angle between N2 and N3' measured at the first bifurcation	50.140	8.160
Angle between N3 and N4 at the first fork of N3	50.580	13.980
Angle between N3' and N4'	56.900	7.560
Angle between N1 and N2 measured at the ends of the veins	46.300	6.640
Angle between N1' and N2' measured at the ends of the veins	37.900	8.220
Angle between N2 and N3 measured at the ends of the veins	49.040	6.060
Angle between N2' and N3' measured at the ends of the veins	47.360	5.850
Angle between N3 and N4 measured at the ends of the veins	42.140	6.620
Angle between N3' and N4' measured at the ends of the veins	42.330	4.600
Angle of opening of the petiole sinus measured at SP and at SP'	58.030	15.630
Angle between D and D' with the center in N1	94.040	11.600
Angle between S and S' with the center in N1	47.250	9.660
Angle between I and I' with the center in N1	50.410	6.890

ratios		
descriptor	value	standard deviation
Ratio between length and width of the leaf	1.010	0.060
Ratio between the length of the petiole OP and the length of the vein N1	0.680	0.140
Ratio between the distance from the sinus and the length of the vein N2	0.540	0.100
Ratio between the distance from the sinus and the length of the vein N2'	0.560	0.110
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.650	0.120
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.650	0.120
Ratio between the length of the vein N2 and the length of the vein N1	0.870	0.060
Ratio between the length of the vein N2' and the length of the vein N1	0.910	0.070
Media of the base of the teeth of the left side	10.270	1.080
Media height of the teeth of the left side	6.640	0.760
Media of the base of the teeth of the right side	9.870	1.430
Media height of the teeth of the right side	6.680	1.180
Ratio between the height and the base of the tooth at the end of the vein N4'	0.730	0.250
Ratio between the height and the base of the tooth at the end of the vein N4	0.840	0.080
Ratio between the height and the base of the tooth at the end of the vein N2'	0.940	0.090
Ratio between the height and the base of the tooth at the end of the vein N2	1.020	0.580
Ratio between the height and the base of the teeth of the left side	0.650	0.080
Ratio between the height and the base of the teeth of the right side	0.680	0.070
Ratio between the sum of the angles a + b' and the sum of the distance between the petiole sinus and upper right sinus OS' and the petiole sinus and lower right lower right sinus OI'	0.020	0.000
Ratio between the sum of the angles a + b and the sum of the distance between the petiole sinus and upper right sinus OS and the petiole sinus and lower right lower right sinus OI	0.020	0.000
Ratio between the length of the vein N5' and the length of the vein N1	0.180	0.050
Ratio between the length of the vein N5 and the length of the vein N1	0.210	0.050
Ratio between the length of the vein N4' and the length of the vein N1	0.430	0.030
Ratio between the length of the vein N4 and the length of the vein N1	0.480	0.170
Ratio between the length of the vein N3' and the length of the vein N1	0.710	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.690	0.040