© VitisDb 2010-2016 - ISSN 2282-006x

Timorasso

Raimondi S.,Torello Marinoni D., Schneider A., 2014. Timorasso ITA360-362 (Timorasso). In: Italian Vitis Database, www.vitisdb.it, ISSN 2282-006X

release 14/06/2015, **Last update** 17/11/2016 **url** http://vitisdb.it/accessions/show/15741

Information managed by

Istituto per la Protezione Sostenibile delle Piante - CNR

Acknowledgments

Ager Foundation, Regione Piemonte

General information

name Timorasso
code ITA360-362
country of selection Italia
region of selection Piemonte
province of selection Alessandria
locality of selection Carezzano
holding institution Istituto per la Protezione Sostenibile delle Piante - CNR
collection vineyard Grinzane Cavour

Variety & clone

type of origin spontanea
genera Vitis
specie Vitis vinifera
subspecie sativa
variety Timorasso
variety code IVD-var_215
clone not available
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., Macaluso R., Ricci P.	1965	Timorasso		In: Principali vitigni da vino coltivati in Italia. Longo e Zoppelli (Treviso), IV: 5.

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	133	225	255	247	247	179	179	196	204	251	259	240	242	237	261	253	257

© VitisDb 2010-2016 - ISSN 2282-006x

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	1 / 3	none or very low / low	
004	Young Shoot: density of prostrate hairs on tip	7	high	
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 / 2	green / yellow	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	7	high	
067	Mature leaf: shape of blade	2	wedge-shaped	
068	Mature leaf: number of lobes	2 / 3	three / five	
070	Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	2	only at the petiolar point	
072	Mature leaf: goffering of blade	1	absent or very weak	
074	Mature leaf: profile of blade in cross section	1 / 3	flat / involute	
075	Mature leaf: blistering of upper side of blade	5	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	open	
080	Mature leaf: shape of base of petiole sinus	1	U-shaped	
081-1	Mature leaf: teeth in the petiole sinus	1	none	
081-2	Mature leaf: petiole sinus base limited by veins	1	not limited	
083-2	Mature leaf: teeth in the upper lateral sinuses	1 / 9	none / present	
084	Mature leaf: density of prostrate hairs between the main veins on lower side of blade	7	high	
087	Mature leaf: density of erect hairs on main veins on lower side of blade	7	high	
094	Mature leaf: depth of upper lateral sinuses	3 / 5	shallow / medium	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
202	Bunch: length (peduncle excluded)	5	medium	
204	Bunch: density	7	dense	
206	Bunch: length of peduncle of primary bunch	3 / 5	short / medium	
208	Bunch: shape	2	conical	
209	Bunch: number of wings of the primary bunch	2	1 - 2 wings	

220	Berry: length	5	medium	
221	Berry: width	5	medium	
223	Berry: shape	2 / 3	globose / broad ellipsoid	
225	Berry: color of skin	1	green yellow	
231	Berry: intensity of flesh anthocyanin coloration	1	none or very weak	
236	Berry: particularity of flavor	1	none	
241	Berry: formation of seeds	3	complete	

Ampelometry

ampelometric leaf

OIV

OIV	PDF	description	value	
601	PDF	Mature leaf: length of vein N1	(⊘ 113.80)	
602	PDF	Mature leaf: length of vein N2	(⊘ 102.45)	
603	PDF	Mature leaf: length of vein N3	(⊘ 75.00)	
604	PDF	Mature leaf: length of vein N4	(⊘ 58.05)	
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	(⊘ 51.20)	
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	(⊘ 53.05)	
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	(⊘ 51.15)	
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	(⊘ 49.70)	
609	PDF	Mature leaf: angle between N3 and N41) measured at the first ramification	(⊘ 58.00)	
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	(⊘ 52.20)	
611	PDF	Mature leaf: length of vein N5	(⊘ 23.30)	
617	PDF	Mature leaf: length between the tooth tip of N2 and the tooth tip of the first secondary vein of N2	(⊘ 42.20)	
618	PDF	Mature leaf: opening/overlapping of petiole sinus	(⊘ -25.00)	

Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower left sinus	55.000	8.500
Distance from the petiole sinus to the lower right sinus	51.100	5.600
Distance from the petiole sinus to the upper left sinus	52.800	11.600
Distance from the petiole sinus to the upper right sinus	49.600	9.100
Vein N3', length from the petiole sinus to vein N4'	14.200	1.900
Vein N3, length from the petiole sinus to vein N4	12.200	2.900
Length of vein N5'	23.200	3.900
Length of vein N5	23.400	4.600
Length of vein N4'	47.700	5.600
Length of vein N4	48.400	6.800
Distance between petiole point and end of vein N4'	58.300	6.100
Distance between petiole point and end of vein N4	57.800	7.300
Leaf length	159.900	11.900
Leaf width	151.000	11.300
Leaf length Including the petiole	231.600	22.200
Petiole length	117.800	17.000
Length of vein N1	113.800	9.000
Distance between the ends of veins N2 and N2'	130.100	13.500
Distance between the ends of veins N3 and N3'	149.400	12.200
Distance between the ends of veins N4 and N4'	79.600	17.100
Width of petiole sinus / Distance between points SP and SP'	-25.000	9.400
Length of vein N2	100.900	7.800
Length of vein N2'	104.000	6.600
Length of vein N3	74.200	8.200
Length of vein N3'	75.800	6.900
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	43.700	14.800
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	40.700	6.700

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	51.900	4.900
Angle between N1 and N2' measured at the first bifurcation	50.400	4.600
Angle between N2 and N3 measured at the first bifurcation	52.000	6.700
Angle between N2 and N3' measured at the first bifurcation	47.400	4.200
Angle between N3 and N4 at the first fork of N3	58.000	6.100
Angle between N3' and N4'	58.000	7.200
Angle between N1 and N2 measured at the ends of the veins	41.700	10.700
Angle between N1' and N2' measured at the ends of the veins	37.500	4.600
Angle between N2 and N3 measured at the ends of the veins	53.000	6.000
Angle between N2' and N3' measured at the ends of the veins	51.400	6.200
Angle between N3 and N4 measured at the ends of the veins	45.000	8.200
Angle between N3' and N4' measured at the ends of the veins	45.100	6.300
Angle of opening of the petiole sinus measured at SP and at SP'	46.900	15.600
Angle between D and D' with the center in N1	105.800	8.900
Angle between S and S' with the center in N1	39.100	10.000
Angle between I and I' with the center in N1	52.300	4.500

rations		
descriptor	value	standard deviation
Media of the base of the teeth of the left side	9.010	1.400
Media height of the teeth of the left side	8.980	1.160
Media of the base of the teeth of the right side	8.710	0.720
Media height of the teeth of the right side	8.840	0.720
Ratio between the height and the base of the tooth at the end of the vein N4'	0.790	0.130
Ratio between the height and the base of the tooth at the end of the vein N4	0.810	0.150
Ratio between the height and the base of the tooth at the end of the vein N2'	1.000	0.150
Ratio between the height and the base of the tooth at the end of the vein N2	0.940	0.100
Ratio between the height and the base of the teeth of the left side	1.010	0.170
Ratio between the height and the base of the teeth of the right side	1.010	0.110
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	0.210	0.040
Ratio between the length of the vein N5 and the length of the vein N1	0.210	0.040
Ratio between the length of the vein N4' and the length of the vein N1	0.420	0.040
Ratio between the length of the vein N4 and the length of the vein N1	0.430	0.060
Ratio between the length of the vein N3' and the length of the vein N1	0.650	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.650	0.060
Ratio between the length of the vein N2' and the length of the vein N1	0.920	0.050
Ratio between the length of the vein N2 and the length of the vein N1	0.890	0.050
Ratio between length and width of the leaf	1.060	0.060
Ratio between the length of the petiole OP and the length of the vein N1	1.040	0.130
Ratio between the distance from the sinus and the length of the vein N2	0.490	0.090
Ratio between the distance from the sinus and the length of the vein N2'	0.510	0.100
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.690	0.080
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.730	0.090

Phenology & production

OIV	description	value	
301	Time of bud burst	4	medium-early
303	Time of beginning of berry ripening (veraison)	5	medium
304	Time of physiological stage of full maturity of the berry	4	medium-early

Agronomic

plant spacing & training system	value	standard deviation	number of years
Training system			
Pruning System			
Distance on the row (m)	1.000		
Distance between rows (m)	2.800		

vigor	value	standard deviation	number of years
Pruning wood’s weight per vine (kg)	0.780	0.230	3
Pruning wood’s weight per vine meter of row (kg)	0.780	0.230	3

fertility	value	standard deviation	number of years
Number of bunch per shoots at flowering (number/shoot)	1.600	0.200	3

production's quantitative characteristics	value	standard deviation	number of years
Grape production per vine (kg/ceppo)	2.300	0.900	3
Grape production per meter of row (kg/m)	2.300	0.900	3
Grape production per hectare (t/ha)	8.210	3.210	3
Weight of 100 berries (g)	273.100	35.800	3
Bunch’s weight (g)	245.300	35.600	3
Number of bunches per vine (number/vine)	9.900	1.100	3
Number of bunches per meter of row (number/m)	9.900	1.100	3
Berry diameter (average of 25 berries) - width (mm)	17.400	3.000	1
Berry diameter (average of 25 berries) - height (mm)	18.300	3.200	1

production's qualitative characteristics	value	standard deviation	number of years
Anthocyanins coloration of flesh? (yes/no)	☐ no	not available	not available
pH (pH)	3.110	0.140	3
Sugar content of must (°Brix)	20.700	2.400	3
Titratable acidity of must (g/l)	7.400	1.300	3

Berry polyphenols

no polyphenolic descriptors available for Timorasso

Berry aroma

no aroma descriptors available for Timorasso

Other descr.

no other descriptors available for Timorasso

Related bibliography (1)

authors	year	title	journal	citation
Schneider A., Mannini F., Raimondi S.	2006	Vitigni del Piemonte		Ed. Regione Piemonte

Accessions of the same variety (1)

- Timorasso - Istituto per la Protezione Sostenibile delle Piante - CNR