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Pampanuto

de Palma L., Tarricone L., De Michele M., Sacco L., Tomaiuolo A., Limosani P., 2015. Pampanuto. In: Italian Vitis Database, http://it.grapedb.org ISSN 2282-006X.

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Information managed by

Dipartimento di Scienze Agrarie, degli Alimenti e dell'Ambiente (SAFE) - Università degli Studi di Foggia

General information

name Pampanuto
code ITA428-TV3
country of selection Italia
region of selection Puglia
province of selection Bari
locality of selection not available
holding institution Dipartimento di Scienze Agrarie, degli Alimenti e dell'Ambiente (SAFE) - Università degli Studi di Foggia
collection vineyard Az. Torresanta (Corato, BA).

Variety & clone

type of origin spontanea
genera Vitis
specie Vitis vinifera
subspecie sativa
variety Verdeca
variety code IVD-var_501
clone not available
trueness to type confirmed by ampelography and SSR-markers

Trueness to type

True-name

confirmed **yes**

related bibliography (1)

authors	year	title	journal	citation
Ministero delle Politiche Agricole e Forestali.	s.d.	Registro Nazionale delle Varietà di Vite.		http://catalogoviti.politicheagricole.it/

Trueness to type confirmed by ampelography

confirmation by ampelography **confirmed**

related bibliography (1)

authors	year	title	journal	citation
Cardetta G., Catalano V., Cersosimo A., Pedone L.	1989	Pampanuto		Principali vitigni da vino coltivati in Italia - Nuova serie, Vol. I, ISV di Conegliano Veneto- Ministero dell'Agricoltura e delle Foreste, 1989

Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **confirmed**

related bibliography (1)

authors	year	title	journal	citation
A.A.V.V.	2011	European Vitis database		http://www.eu-vitis.de/index.php

compared loci **7**

identical loci **7**

discrepancies n.a.

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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	145	231	239	239	239	179	189	188	196	243	251	240	240	251	261	251	253

other Locus info available online

Images

shoot

leaf

bunch

Ampelography

OIV	description	value		images
001	Young shoot: opening of the shoot tip	1	closed	
003	Young Shoot: intensity of anthocyanin coloration on prostrate hairs of tip	5	medium	
004	Young Shoot: density of prostrate hairs on tip	7 / 9	high / very high	
006	Shoot: attitude (before tying)	5	horizontal	
007	Shoot: color of dorsal side of internodes	1	green	
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 / 3	green / bronze	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	9	very high	
067	Mature leaf: shape of blade	4	circular	
068	Mature leaf: number of lobes	1 / 2	one (entire leaf) / three	
070	Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	1	absent	
075	Mature leaf: blistering of upper side of blade	5	medium	
076	Mature leaf: shape of teeth	3	both sides convex	
079	Mature leaf: degree of opening / overlapping of petiole sinus	7	overlapped	
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	1	not limited	
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	7	high	
087	Mature leaf: density of erect hairs on main veins on lower side of blade	7	high	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
153	Inflorescence: number of inflorescences per shoot	1 / 2	up to 1 inflorescence / 1,1 to 2 inflorescences	
155	Shoot: fertility of basal buds (buds 1-3)	5	medium (1,1-1,3)	
202	Bunch: length (peduncle excluded)	5	medium	
204	Bunch: density	7	dense	
206	Bunch: length of peduncle of primary bunch	3	short	
208	Bunch: shape	2	conical	
209	Bunch: number of wings of the primary bunch	2 / 3	1 - 2 wings / 3 - 4 wings	
220	Berry: length	3 / 5	short / medium	
221	Berry: width	3	narrow	
223	Berry: shape	3	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	

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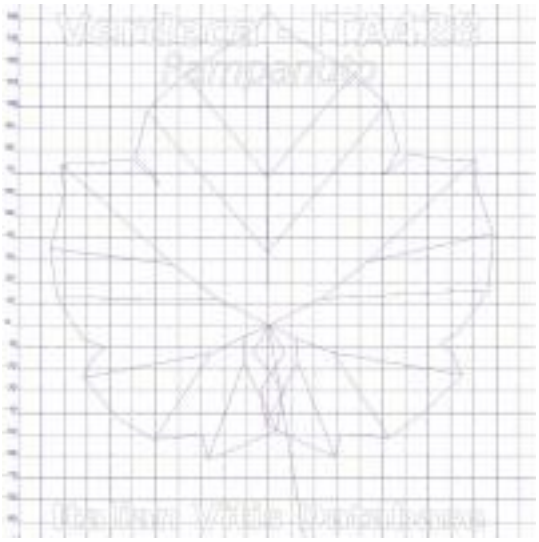
Ampelometry



ampelometric leaf

OIV

OIV	PDF	description	value	
601	PDF	Mature leaf: length of vein N1	5	medium (135 mm)
602	PDF	Mature leaf: length of vein N2	7	long (125 mm)
603	PDF	Mature leaf: length of vein N3	7	long (95 mm)
604	PDF	Mature leaf: length of vein N4	9	very long (55 mm and over)
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	7	long (90 mm)
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	7	long (75 mm)
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	7	large (56°-70°)
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	5	medium (46°-55°)
609	PDF	Mature leaf: angle between N3 and N41) measured at the first ramification	7	large (56°-70°)
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	9	very large (> 70°)
612	PDF	Mature leaf: length of tooth N2	3	short (10 mm)
613	PDF	Mature leaf: width of tooth N2	7	wide (18 mm)
614	PDF	Mature leaf: length of tooth N4	3	short (10 mm)
615	PDF	Mature leaf: width of tooth N4	5	medium (14 mm)

Superampelo

distances		
descriptor	value	standard deviation
Base of the tooth located at the end of N4	14.618	2.845
Base of the tooth located at the end of N2'	18.618	4.101
Base of the tooth located at the end of N4'	14.345	1.703
Distance from the petiole sinus to the lower right sinus	76.391	5.250
Distance from the petiole sinus to the upper left sinus	80.973	11.899
Base of the tooth located at the end of N2	16.036	3.517
Distance from the petiole sinus to the lower left sinus	73.118	7.548
Vein N3, length from the petiole sinus to vein N4	13.800	2.393
Length of vein N5'	35.009	4.148
Distance from the petiole sinus to the upper right sinus	86.182	12.612
Vein N3', length from the petiole sinus to vein N4'	11.755	1.882
Length of vein N4	57.009	6.799
Distance between petiole point and end of vein N4'	67.682	7.643
Length of vein N5	32.345	5.092
Length of vein N4'	59.436	7.584
Leaf width	188.100	16.953
Leaf length Including the petiole	256.436	25.341
Distance between petiole point and end of vein N4	67.236	6.724
Leaf length	206.991	18.419
Distance between the ends of veins N2 and N2'	182.536	21.796
Distance between the ends of veins N3 and N3'	167.591	10.791
Petiole length	112.782	14.608
Length of vein N1	143.664	13.873
Length of vein N2	119.182	10.451
Length of vein N2'	118.245	10.437
Distance between the ends of veins N4 and N4'	56.291	16.662
Width of petiole sinus / Distance between points SP and SP'	-11.036	4.839
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	66.982	12.485
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	68.918	16.747
Length of vein N3	88.609	6.202
Length of vein N3'	85.945	7.407
Height of the tooth on the end of N2	10.073	3.437
Altezza del dente posto all’estremità di N2'	10.055	3.726
Height of the tooth on the end of N4	10.164	6.321
Height of the tooth on the end of N4'	8.545	1.392

angles		
descriptor	value	standard deviation
Sum of the angles alpha' + beta' + gamma'	175.646	13.418
Sum of the angles alpha + beta + gamma	183.755	14.757
Sum of the angles alpha' + beta'	114.582	7.993
Sum of the angles alpha + beta	117.509	8.029
Angle between N2 and N3 measured at the first bifurcation	55.327	8.536
Angle between N2 and N3' measured at the first bifurcation	54.082	7.079
Angle between N1 and N2 measured at the first bifurcation	62.173	5.414
Angle between N1 and N2' measured at the first bifurcation	60.518	4.262
Angle between N1 and N2 measured at the ends of the veins	49.909	4.992
Angle between N1' and N2' measured at the ends of the veins	50.673	7.242
Angle between N3 and N4 at the first fork of N3	66.282	8.669
Angle between N3' and N4'	61.064	8.023
Angle between N3 and N4 measured at the ends of the veins	49.609	4.241
Angle between N3' and N4' measured at the ends of the veins	50.427	3.828
Angle between N2 and N3 measured at the ends of the veins	54.755	5.873
Angle between N2' and N3' measured at the ends of the veins	55.618	4.766
Angle between S and S' with the center in N1	66.145	14.753
Angle between I and I' with the center in N1	51.745	4.290
Angle of opening of the petiole sinus measured at SP and at SP'	19.936	10.615
Angle between D and D' with the center in N1	101.546	13.455
Angle between N2 and N3 measured at the petiole point and between N2 and N3 tooth tip	77.509	5.811
Angle between N2 and N3 measured at the petiole point and between N2' and N3' tooth tip	78.318	6.945

rations		
descriptor	value	standard deviation
Media of the base of the teeth of the left side	8.262	0.638
Media height of the teeth of the left side	9.108	1.518
Ratio between the height and the base of the tooth at the end of the vein N4'	0.597	0.083
Ratio between the height and the base of the tooth at the end of the vein N4	0.674	0.281
Media of the base of the teeth of the right side	8.977	0.788
Media height of the teeth of the right side	9.127	1.520
Ratio between the height and the base of the teeth of the left side	1.104	0.179
Ratio between the height and the base of the teeth of the right side	1.016	0.146
Ratio between the height and the base of the tooth at the end of the vein N2'	0.538	0.160
Ratio between the height and the base of the tooth at the end of the vein N2	0.633	0.195
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'	0.013	0.002
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	0.013	0.001
Ratio between the length of the vein N5' and the length of the vein N1	0.245	0.034
Ratio between the length of the vein N5 and the length of the vein N1	0.225	0.032
Ratio between the length of the vein N3' and the length of the vein N1	0.601	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.620	0.049
Ratio between the length of the vein N4' and the length of the vein N1	0.415	0.052
Ratio between the length of the vein N4 and the length of the vein N1	0.398	0.046
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.851	0.045
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.862	0.024
Ratio between the length of the vein N2' and the length of the vein N1	0.826	0.070
Ratio between the length of the vein N2 and the length of the vein N1	0.833	0.073
Ratio between the length of the petiole OP and the length of the vein N1	0.786	0.086
Ratio between length and width of the leaf	1.103	0.079
Ratio between the distance from the sinus and the length of the vein N2'	0.685	0.086
Ratio between the distance from the sinus and the length of the vein N2	0.728	0.125
Multiplication between length and width of the leaf	39133.930	6829.802