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Sbulzina

Sivilotti P., Stocco M., Migliaro D., Crespan M., 2015. Sbulzina. In: Italian Vitis Database. www.vitisdb.it, ISSN 2282-006X

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General information

name Sbulzina
code ITA388-472.05
country of selection Italia
region of selection Friuli-Venezia Giulia
province of selection not available
locality of selection not available
holding institution not available
collection vineyard Campo di conservazione Azienda Pantianicco di Beano, Codroipo (Udine)

Variety & clone

type of origin spontanea
genera Vitis
specie Vitis vinifera
subspecie sativa
variety Blaue Zimmettraube
variety code IVD-var_257
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
Maul E., Roeckel F., Toepfer R.	2016	The "missing link" 'Blaue Zimmettraube' reveals that 'Blauer Portugieser' and 'Blaufraenkisch' originated in Lower Styria	Vitis	55, 135-143

Trueness to type confirmed by ampelography

confirmation by ampelography **confirmed**

related bibliography (1)

authors	year	title	journal	citation
Sivilotti P., Petrussi C., Stocco M.	2013	Le viti dimenticate. Un patrimonio riscoperto in Friuli Venezia Giulia.		ERSA, Gorizia

Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **confirmed**

related bibliography (1)

authors	year	title	journal	citation
Crespan M., Fabbro A., Giannetto S., Meneghetti S., Petrussi C., Del Zan F., Sivilotti P.	2011	Recognition and genotyping of minor germplasm of Friuli Venezia Giulia revealed high diversity.	Vitis	50 (1): 21-28

compared loci n.a.

identical loci n.a.

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:	143	143	225	225	239	257	181	194	194	204	251	259	250	256	249	263	253	273

other Locus info available online

Images

shoot

leaf

leafLs

bunch

berry

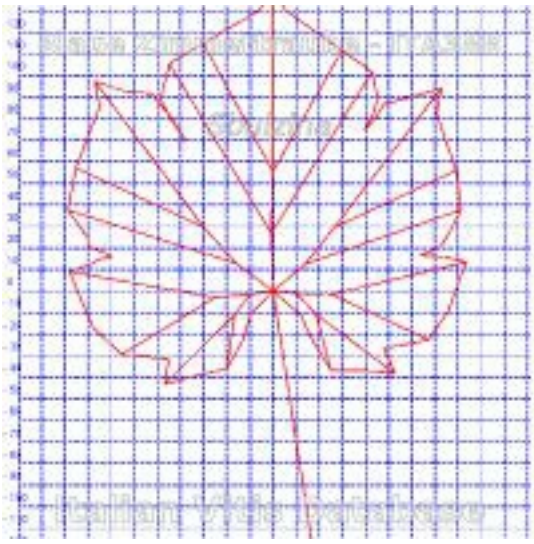
seed

Ampelography

OIV	description	value		images
001	Young shoot: opening of the shoot tip	5	fully open	
004	Young Shoot: density of prostrate hairs on tip	3	low	
007	Shoot: color of dorsal side of internodes	2	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 / 3	green / bronze	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	3	low	
065	Mature leaf: size of blade	5	medium	
067	Mature leaf: shape of blade	4	circular	
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	5	twisted	
075	Mature leaf: blistering of upper side of blade	1	absent or very weak	
076	Mature leaf: shape of teeth	5	mixture between both sides straight (note 2) and both sides convex (note 3)	
078	Mature leaf: length of teeth compared with their width	5	medium	
079	Mature leaf: degree of opening / overlapping of petiole sinus	3 / 5	open / closed	

080	Mature leaf: shape of base of petiole sinus	1 / 2	U-shaped / brace-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	1	none or very low	
087	Mature leaf: density of erect hairs on main veins on lower side of blade	7	high	
093	Mature leaf: length of petiole compared to length of middle vein	5 / 7	equal / slightly longer	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
153	Inflorescence: number of inflorescences per shoot	2	1,1 to 2 inflorescences	
155	Shoot: fertility of basal buds (buds 1-3)	9	very high (>1,9)	
202	Bunch: length (peduncle excluded)	5 / 7	medium / long	
204	Bunch: density	1	very loose	
206	Bunch: length of peduncle of primary bunch	3	short	
208	Bunch: shape	1	cylindrical	
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 / 5	narrow / medium	
223	Berry: shape	2	globose	
225	Berry: color of skin	6	blue black	
236	Berry: particularity of flavor	1	none	
241	Berry: formation of seeds	3	complete	

Ampelometry



ampelometric leaf

OIV

no descriptors available for Sbulzina

Superampelo

distances		
descriptor	value	standard deviation
Distance between the ends of veins N4 and N4'	100.260	22.000
Distance between the ends of veins N3 and N3'	172.230	15.570
Length of vein N2	119.410	13.090
Width of petiole sinus / Distance between points SP and SP'	-31.220	13.060
Length of vein N3	85.370	8.870
Length of vein N2'	124.500	12.080
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	47.150	7.080
Length of vein N3'	88.830	8.270
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	50.290	10.940
Distance from the petiole sinus to the lower right sinus	66.190	7.040
Distance from the petiole sinus to the lower left sinus	71.330	10.540
Distance from the petiole sinus to the upper right sinus	84.580	18.010
Distance from the petiole sinus to the upper left sinus	79.250	13.090
Vein N3, length from the petiole sinus to vein N4	10.290	2.060
Vein N3', length from the petiole sinus to vein N4'	10.190	2.620
Length of vein N5	27.460	4.770
Length of vein N5'	25.750	5.740
Length of vein N4	57.920	4.470
Length of vein N4'	56.490	7.180
Distance between petiole point and end of vein N4	66.590	5.930
Distance between petiole point and end of vein N4'	64.670	8.630
Leaf width	171.670	15.820
Leaf length	185.070	19.160
Petiole length	119.910	20.710
Leaf length Including the petiole	259.900	28.720
Distance between the ends of veins N2 and N2'	150.650	18.450
Length of vein N1	140.010	15.610

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	49.050	4.470
Angle between N2 and N3 measured at the first bifurcation	49.460	4.100
Angle between N1 and N2' measured at the first bifurcation	49.260	6.160
Angle between N3 and N4 at the first fork of N3	46.620	7.170
Angle between N2 and N3' measured at the first bifurcation	47.050	4.500
Angle between N1 and N2 measured at the ends of the veins	37.880	4.410
Angle between N3' and N4'	49.860	3.740
Angle between N2 and N3 measured at the ends of the veins	43.390	5.980
Angle between N1' and N2' measured at the ends of the veins	38.120	4.570
Angle between N3 and N4 measured at the ends of the veins	45.230	6.480
Angle between N2' and N3' measured at the ends of the veins	45.830	6.770
Angle of opening of the petiole sinus measured at SP and at SP'	66.460	29.950
Angle between N3' and N4' measured at the ends of the veins	49.030	8.180
Angle between S and S' with the center in N1	60.300	13.440
Angle between D and D' with the center in N1	101.740	9.230
Angle between N2 and N3 measured at the petiole point and between N2 and N3 tooth tip	64.550	7.530
Angle between I and I' with the center in N1	56.610	5.510
Angle between N2 and N3 measured at the petiole point and between N2' and N3' tooth tip	66.590	9.710

rations		
descriptor	value	standard deviation
Multiplication between length and width of the leaf	32001.460	5559.640
Ratio between the length of the petiole OP and the length of the vein N1	0.860	0.160
Ratio between length and width of the leaf	1.080	0.060
Ratio between the distance from the sinus and the length of the vein N2	0.700	0.100
Ratio between the height and the base of the tooth at the end of the vein N4'	0.770	0.120
Ratio between the height and the base of the tooth at the end of the vein N2'	0.830	0.160
Ratio between the height and the base of the tooth at the end of the vein N4	0.850	0.130
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'	0.010	0.000
Ratio between the height and the base of the tooth at the end of the vein N2	0.820	0.160
Ratio between the length of the vein N5' and the length of the vein N1	0.190	0.040
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	0.010	0.000
Ratio between the length of the vein N4' and the length of the vein N1	0.410	0.060
Ratio between the length of the vein N5 and the length of the vein N1	0.200	0.030
Ratio between the length of the vein N3' and the length of the vein N1	0.630	0.050
Ratio between the length of the vein N4 and the length of the vein N1	0.420	0.030
Ratio between the length of the vein N2' and the length of the vein N1	0.890	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.610	0.030
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.800	0.070
Ratio between the length of the vein N2 and the length of the vein N1	0.860	0.050
Ratio between the distance from the sinus and the length of the vein N2'	0.640	0.100
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.780	0.080