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Brachetto

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Acknowledgments

Fondazione AGER (AGER Fundation)

General information

name Brachetto
code ITA419-1754
country of selection Italia
region of selection Piemonte
province of selection not available
locality of selection not available
holding institution Dipartimento di Scienze Agrarie, Alimentari e Agro-ambientali (DiSAAA-a) - Università di Pisa
collection vineyard Colignola (DiSAAA-a) - San Giuliano Terme (PI)

Variety & clone

type of origin spontanea
genera Vitis
specie Vitis vinifera
subspecie sativa
variety Brachetto
variety code IVD-var_38
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
Dalmasso G., Dell'Olio G., Ricci P.	1960	Brachetto N.		Catalogo Istituzionale

Trueness to type confirmed by ampelography

confirmation by ampelography **confirmed**

related bibliography (1)

authors	year	title	journal	citation
Dalmasso G., Dell'Olio G., Ricci P.	1960	Brachetto N.		Catalogo Istituzionale

Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **confirmed**

compared loci **9**

identical loci **9**

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	139	227	235	233	247	179	179	194	196	249	255	242	242	249	261	241	265

other Locus info available online

Images

shoot

shootTipUs

shootTipLs

leaf

leafUs

leafLs

petiol sinus

bunch

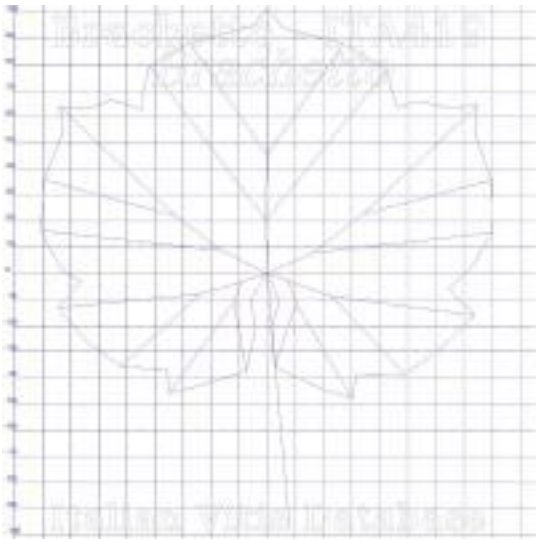
berry

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	low	
004	Young Shoot: density of prostrate hairs on tip	5	medium	
006	Shoot: attitude (before tying)	1 / 3	erect / semi-erect	
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)	2 / 3	yellow / bronze	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	1 / 3	none or very low / low	
067	Mature leaf: shape of blade	4	circular	
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	1	absent	
072	Mature leaf: goffering of blade	1	absent or very weak	

074	Mature leaf: profile of blade in cross section	1	flat
075	Mature leaf: blistering of upper side of blade	3 / 5	weak / medium
076	Mature leaf: shape of teeth	2	both sides straight
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	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	1	none or very low
094	Mature leaf: depth of upper lateral sinuses	3	shallow
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium
152	Inflorescence: insertion of 1 st inflorescence	2	3rd and 4th node
155	Shoot: fertility of basal buds (buds 1-3)	5 / 7	medium (1,1-1,3) / high (1,5-1,7)
202	Bunch: length (peduncle excluded)	3 / 5	short / medium
204	Bunch: density	7 / 9	dense / very dense
206	Bunch: length of peduncle of primary bunch	1 / 3	very short / short
208	Bunch: shape	2	conical
209	Bunch: number of wings of the primary bunch	2	1 - 2 wings
220	Berry: length	3 / 5	short / medium
221	Berry: width	5	medium
223	Berry: shape	8	obovoid
225	Berry: color of skin	3 / 6	red / blue black
231	Berry: intensity of flesh anthocyanin coloration	3	weak
235	Berry: firmness of flesh	1	soft
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	3	short (105 mm)
602	PDF	Mature leaf: length of vein N2	5	medium (105 mm)
603	PDF	Mature leaf: length of vein N3	5	medium (75 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	5	medium (70 mm)
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	5	medium (60 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	5	medium (46°-55°)
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	5	medium (14 mm)
614	PDF	Mature leaf: length of tooth N4	1	very short (6 mm)
615	PDF	Mature leaf: width of tooth N4	5	medium (14 mm)
617	PDF	Mature leaf: length between the tooth tip of N2 and the tooth tip of the first secondary vein of N2	5	medium (46-55 mm)

Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower right sinus	65.500	8.000
Distance from the petiole sinus to the lower left sinus	67.500	10.800
Distance from the petiole sinus to the upper right sinus	79.000	10.100
Distance from the petiole sinus to the upper left sinus	77.100	12.300
Vein N3, length from the petiole sinus to vein N4	8.300	1.900
Vein N3', length from the petiole sinus to vein N4'	10.100	2.600
Length of vein N5	25.700	6.900
Length of vein N5'	27.600	5.500
Length of vein N4	50.700	8.300
Length of vein N4'	51.000	7.200
Distance between petiole point and end of vein N4	57.100	8.200
Distance between petiole point and end of vein N4'	58.900	7.200
Leaf width	158.100	20.300
Leaf length	151.500	16.000
Petiole length	99.400	15.200
Leaf length Including the petiole	201.000	28.800
Distance between the ends of veins N2 and N2'	149.700	12.400
Length of vein N1	101.600	14.900
Distance between the ends of veins N4 and N4'	65.700	18.500
Distance between the ends of veins N3 and N3'	149.200	21.400
Length of vein N2	99.300	12.000
Width of petiole sinus / Distance between points SP and SP'	-6.500	7.400
Length of vein N3	76.200	11.600
Length of vein N2'	98.700	13.800
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	53.600	11.500
Length of vein N3'	76.700	11.200
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	52.800	9.600

angles		
descriptor	value	standard deviation
Angle between N3 and N4 at the first fork of N3	52.200	5.200
Angle between N2 and N3' measured at the first bifurcation	45.300	4.900
Angle between N1 and N2 measured at the ends of the veins	49.300	6.600
Angle between N3' and N4'	54.500	6.800
Angle between N2 and N3 measured at the ends of the veins	53.300	5.600
Angle between N1' and N2' measured at the ends of the veins	49.800	7.300
Angle between N3 and N4 measured at the ends of the veins	45.600	3.300
Angle between N2' and N3' measured at the ends of the veins	51.100	5.500
Angle of opening of the petiole sinus measured at SP and at SP'	16.800	15.200
Angle between N3' and N4' measured at the ends of the veins	42.600	4.600
Angle between S and S' with the center in N1	99.300	6.600
Angle between D and D' with the center in N1	123.100	8.100
Angle between N2 and N3 measured at the petiole point and between N2 and N3 tooth tip	73.500	9.200
Angle between I and I' with the center in N1	63.900	5.400
Angle between N2 and N3 measured at the petiole point and between N2' and N3' tooth tip	68.900	6.400
Angle between N1 and N2 measured at the first bifurcation	65.100	5.000
Angle between N2 and N3 measured at the first bifurcation	47.000	7.300
Angle between N1 and N2' measured at the first bifurcation	61.000	6.500

rations		
descriptor	value	standard deviation
Multiplication between length and width of the leaf	24220.000	5697.000
Ratio between the length of the petiole OP and the length of the vein N1	0.982	0.094
Ratio between length and width of the leaf	0.961	0.044
Ratio between the distance from the sinus and the length of the vein N2	0.796	0.040
Media of the base of the teeth of the left side	7.303	1.346
Media of the base of the teeth of the right side	6.135	1.073
Media height of the teeth of the left side	6.244	1.209
Ratio between the height and the base of the tooth at the end of the vein N4'	0.593	0.074
Media height of the teeth of the right side	4.802	1.209
Ratio between the height and the base of the tooth at the end of the vein N2'	0.885	0.737
Ratio between the height and the base of the tooth at the end of the vein N4	0.554	0.087
Ratio between the height and the base of the teeth of the left side	0.876	0.214
Ratio between the height and the base of the tooth at the end of the vein N2	0.605	0.168
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	0.003
Ratio between the height and the base of the teeth of the right side	0.798	0.196
Ratio between the length of the vein N5' and the length of the vein N1	0.271	0.034
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	0.014	0.003
Ratio between the length of the vein N4' and the length of the vein N1	0.504	0.034
Ratio between the length of the vein N5 and the length of the vein N1	0.256	0.066
Ratio between the length of the vein N3' and the length of the vein N1	0.755	0.035
Ratio between the length of the vein N4 and the length of the vein N1	0.507	0.089
Ratio between the length of the vein N2' and the length of the vein N1	0.974	0.044
Ratio between the length of the vein N3 and the length of the vein N1	0.756	0.100
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.879	0.025
Ratio between the length of the vein N2 and the length of the vein N1	0.982	0.061
Ratio between the distance from the sinus and the length of the vein N2'	0.780	0.038
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.864	0.062