



Bosco

Schneider A., Torello Marinoni D., Raimondi S., 2013. Bosco ITA360-375 (Bosco). In: Italian Vitis Database, www.vitisdb.it, ISSN 2282-006X

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Acknowledgments

Ager Foundation, Regione Liguria

General information

name Bosco **code** ITA360-375
country of selection Italia **region of selection** Liguria
province of selection not available **locality of selection** not available
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 Bosco **variety code** IVD-var_37
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.	1965	Bosco B.		Catalogo Istituzionale

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)																	
	VVS2		VVMD5		VVMD7		VVMD27		VrZAG62		VrZAG79		VVMD25		VVMD28		VVMD32	
SSR locus:	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2
allele:	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2	A1	A2
size:	133	135	225	235	239	263	181	185	188	196	251	259	250	256	247	261	255	273

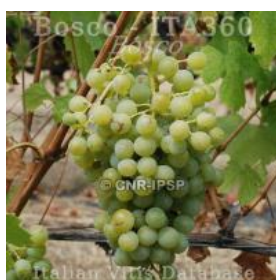
Images



shoot



leaf



bunch



berry

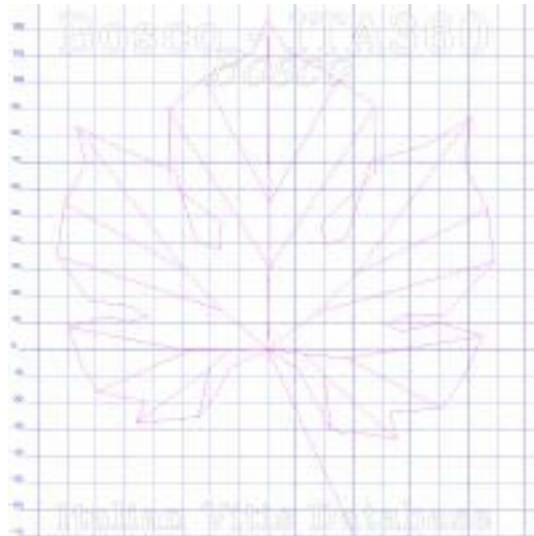
Ampelography

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	low	
004	Young Shoot: density of prostrate hairs on tip	5	medium	
006	Shoot: attitude (before tying)	1	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 / 4	green / copper - reddish	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	3 / 5	low / medium	
067	Mature leaf: shape of blade	3	pentagonal	
068	Mature leaf: number of lobes	3 / 4	five / seven	
070	Mature leaf: area of anthocyanin coloration of main veins on upper side of blade	1 / 2	absent / 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 / 4	flat / revolute	
075	Mature leaf: blistering of upper side of blade	1 / 3	absent or very weak / weak	
076	Mature leaf: shape of teeth	5	mixture between both sides straight (note 2) and both sides convex (note 3)	
079	Mature leaf: degree of opening / overlapping of petiole sinus	3 / 5	open / closed	
080	Mature leaf: shape of base of petiole sinus	2 / 3	brace-shaped (f) / 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	3 / 5	low / medium	
094	Mature leaf: depth of upper lateral sinuses	5 / 7	medium / deep	
151	Flower: sexual organs	3	fully developed stamens and fully developed gynoecium	
152	Inflorescence: insertion of 1 st inflorescence	2	3rd and 4th node	
202	Bunch: length (peduncle excluded)	5 / 7	medium / long	
204	Bunch: density	3	loose	
206	Bunch: length of peduncle of primary bunch	7	long	
208	Bunch: shape	2 / 3	conical / funnel shaped	
209	Bunch: number of wings of the primary bunch	3	3 - 4 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
235	Berry: firmness of flesh	2	slightly firm
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	(Ø 124.10)	
602	PDF	Mature leaf: length of vein N2	(Ø 110.70)	
603	PDF	Mature leaf: length of vein N3	(Ø 73.60)	
604	PDF	Mature leaf: length of vein N4	(Ø 55.80)	
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	(Ø 43.00)	
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	(Ø 43.40)	
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	(Ø 49.10)	
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	(Ø 45.20)	
609	PDF	Mature leaf: angle between N3 and N41) measured at the first ramification	(Ø 46.20)	
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	(Ø 45.60)	
611	PDF	Mature leaf: length of vein N5	(Ø 20.00)	
612	PDF	Mature leaf: length of tooth N2		
613	PDF	Mature leaf: width of tooth N2		
614	PDF	Mature leaf: length of tooth N4		
615	PDF	Mature leaf: width of tooth N4		
616	PDF	Mature leaf: number of teeth between the tooth tip of N2 and the tooth tip of the first secondary vein of N2 including the limits		
617	PDF	Mature leaf: length between the tooth tip of N2 and the tooth tip of the first secondary vein of N2	(Ø 48.80)	
618	PDF	Mature leaf: opening/overlapping of petiole sinus	(Ø -39.20)	

Superampelo

distances		
descriptor	value	standard deviation
Length of vein N3'	71.300	6.400
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	49.000	10.600
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	48.600	15.000
Distance from the petiole sinus to the lower left sinus	44.100	6.800
Distance from the petiole sinus to the lower right sinus	42.700	4.900
Distance from the petiole sinus to the upper left sinus	41.600	5.300
Distance from the petiole sinus to the upper right sinus	44.400	3.800
Vein N3', length from the petiole sinus to vein N4'	14.000	1.900
Vein N3, length from the petiole sinus to vein N4	13.400	2.200
Length of vein N5'	19.000	4.600
Length of vein N5	20.900	4.300
Length of vein N4'	43.200	5.000
Length of vein N4	45.700	4.600
Distance between petiole point and end of vein N4'	54.800	5.300
Distance between petiole point and end of vein N4	56.800	6.000
Leaf length	160.700	14.300
Leaf width	149.400	14.100
Leaf length Including the petiole	211.300	20.200
Petiole length	87.100	13.900
Length of vein N1	124.100	10.800
Distance between the ends of veins N2 and N2'	138.200	18.800
Distance between the ends of veins N3 and N3'	145.200	12.000
Distance between the ends of veins N4 and N4'	92.200	10.100
Width of petiole sinus / Distance between points SP and SP'	-39.200	7.300
Length of vein N2	112.700	8.100
Length of vein N2'	108.600	7.500
Length of vein N3	75.800	7.600

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	49.900	4.100
Angle between N1 and N2' measured at the first bifurcation	48.200	6.300
Angle between N2 and N3 measured at the first bifurcation	45.900	4.600
Angle between N2 and N3' measured at the first bifurcation	44.400	5.900
Angle between N3 and N4 at the first fork of N3	46.000	2.500
Angle between N3' and N4'	46.400	6.800
Angle between N1 and N2 measured at the ends of the veins	39.100	5.600
Angle between N1' and N2' measured at the ends of the veins	38.500	9.700
Angle between N2 and N3 measured at the ends of the veins	46.900	7.100
Angle between N2' and N3' measured at the ends of the veins	44.200	7.400
Angle between N3 and N4 measured at the ends of the veins	40.900	3.400
Angle between N3' and N4' measured at the ends of the veins	37.500	5.600
Angle of opening of the petiole sinus measured at SP and at SP'	85.100	17.200
Angle between D and D' with the center in N1	95.000	9.900
Angle between S and S' with the center in N1	24.700	5.000
Angle between I and I' with the center in N1	40.500	5.200

ratios		
descriptor	value	standard deviation
Ratio between length and width of the leaf	1.080	0.050
Ratio between the length of the petiole OP and the length of the vein N1	0.700	0.110
Ratio between the distance from the sinus and the length of the vein N2	0.400	0.050
Ratio between the distance from the sinus and the length of the vein N2'	0.380	0.050
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.570	0.060
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.620	0.080
Media of the base of the teeth of the left side	10.850	1.820
Media height of the teeth of the left side	9.590	1.520
Media of the base of the teeth of the right side	11.480	2.070
Media height of the teeth of the right side	10.550	2.070
Ratio between the height and the base of the tooth at the end of the vein N4'	0.770	0.170
Ratio between the height and the base of the tooth at the end of the vein N4	0.730	0.040
Ratio between the height and the base of the tooth at the end of the vein N2'	1.080	0.180
Ratio between the height and the base of the tooth at the end of the vein N2	1.090	0.140
Ratio between the height and the base of the teeth of the left side	0.890	0.100
Ratio between the height and the base of the teeth of the right side	0.930	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'	0.020	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	0.150	0.040
Ratio between the length of the vein N5 and the length of the vein N1	0.170	0.030
Ratio between the length of the vein N4' and the length of the vein N1	0.350	0.040
Ratio between the length of the vein N4 and the length of the vein N1	0.370	0.030
Ratio between the length of the vein N3' and the length of the vein N1	0.610	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.610	0.030
Ratio between the length of the vein N2' and the length of the vein N1	0.880	0.060
Ratio between the length of the vein N2 and the length of the vein N1	0.910	0.050