



# Vespolina 30

Schneider A., Torello Marinoni D., Raimondi S., 2013. Vespolina 30 ITA360-022 (Vespolina). In: Italian Vitis Database, www.vitisdb.it, ISSN 2282-006X  
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## Information managed by

Istituto per la Protezione Sostenibile delle Piante - CNR

## Acknowledgments

Ager Foundation, Regione Piemonte

## General information

**name** Vespolina 30 **code** ITA360-022  
**country of selection** Italia **region of selection** Piemonte  
**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** Vespolina **variety code** IVD-var\_226  
**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
Dalmasso G., Cacciatore M., Corte A.	1962	Vespolina N.		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:	143	155	235	239	247	249	185	185	196	200	243	251	242	256	239	263	241	263

## Images



shoot



leaf



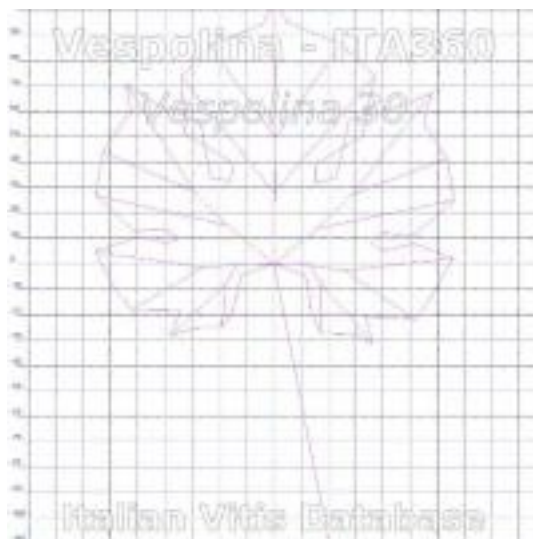
bunch

## 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 / 7	medium / high	
006	Shoot: attitude (before tying)	3	semi-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	green	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	5	medium	
067	Mature leaf: shape of blade	2	wedge-shaped	
068	Mature leaf: number of lobes	4 / 5	seven / more than seven	
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	2 / 3	V-shaped / involute	
075	Mature leaf: blistering of upper side of blade	3 / 5	weak / medium	
076	Mature leaf: shape of teeth	4	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	none	
084	Mature leaf: density of prostrate hairs between the main veins on lower side of blade	5	medium	
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	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	medium	
204	Bunch: density	3	loose	
206	Bunch: length of peduncle of primary bunch	5	medium	
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	3 / 5	narrow / medium	
223	Berry: shape	3	broad ellipsoid	
225	Berry: color of skin	6	blue black	
231	Berry: intensity of flesh anthocyanin coloration	1	none or very 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	( Ø 103.70 )
602	PDF	Mature leaf: length of vein N2	( Ø 89.50 )
603	PDF	Mature leaf: length of vein N3	( Ø 66.40 )
604	PDF	Mature leaf: length of vein N4	( Ø 48.00 )
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	( Ø 35.90 )
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	( Ø 36.60 )
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	( Ø 48.70 )
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	( Ø 43.20 )
609	PDF	Mature leaf: angle between N3 and N41 measured at the first ramification	( Ø 52.20 )
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	( Ø 47.90 )
611	PDF	Mature leaf: length of vein N5	( Ø 18.40 )
617	PDF	Mature leaf: length between the tooth tip of N2 and the tooth tip of the first secondary vein of N2	( Ø 36.90 )
618	PDF	Mature leaf: opening/overlapping of petiole sinus	( Ø -29.20 )

## Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower left sinus	36.500	5.800
Distance from the petiole sinus to the lower right sinus	36.700	6.700
Distance from the petiole sinus to the upper left sinus	36.300	6.000
Distance from the petiole sinus to the upper right sinus	35.400	7.000
Vein N3', length from the petiole sinus to vein N4'	13.300	2.500
Vein N3, length from the petiole sinus to vein N4	13.100	1.700
Length of vein N5'	17.200	3.200
Length of vein N5	19.500	3.400
Length of vein N4'	37.400	5.000
Length of vein N4	39.100	2.700
Distance between petiole point and end of vein N4'	47.400	6.700
Distance between petiole point and end of vein N4	48.500	3.200
Leaf length	136.800	14.600
Leaf width	132.500	14.400
Leaf length Including the petiole	216.000	26.500
Petiole length	112.300	17.200
Length of vein N1	103.700	10.800
Distance between the ends of veins N2 and N2'	112.600	19.400
Distance between the ends of veins N3 and N3'	131.700	12.700
Distance between the ends of veins N4 and N4'	74.400	7.400
Width of petiole sinus / Distance between points SP and SP'	-29.200	5.000
Length of vein N2	89.300	7.200
Length of vein N2'	89.700	12.600
Length of vein N3	66.400	4.500
Length of vein N3'	66.400	9.400
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	39.000	11.500
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	34.700	9.900

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	48.700	4.700
Angle between N1 and N2' measured at the first bifurcation	48.700	4.600
Angle between N2 and N3 measured at the first bifurcation	43.600	4.800
Angle between N2 and N3' measured at the first bifurcation	42.800	4.500
Angle between N3 and N4 at the first fork of N3	51.200	6.400
Angle between N3' and N4'	53.200	4.100
Angle between N1 and N2 measured at the ends of the veins	40.600	5.700
Angle between N1' and N2' measured at the ends of the veins	37.200	6.400
Angle between N2 and N3 measured at the ends of the veins	47.600	5.600
Angle between N2' and N3' measured at the ends of the veins	48.100	7.000
Angle between N3 and N4 measured at the ends of the veins	42.700	3.600
Angle between N3' and N4' measured at the ends of the veins	40.900	4.800
Angle of opening of the petiole sinus measured at SP and at SP'	75.700	12.300
Angle between D and D' with the center in N1	99.800	7.600
Angle between S and S' with the center in N1	25.200	5.800
Angle between I and I' with the center in N1	41.100	6.500

ratios		
descriptor	value	standard deviation
Media of the base of the teeth of the left side	10.020	2.180
Media height of the teeth of the left side	7.790	1.370
Media of the base of the teeth of the right side	9.440	1.450
Media height of the teeth of the right side	8.350	1.450
Ratio between the height and the base of the tooth at the end of the vein N4'	0.930	0.140
Ratio between the height and the base of the tooth at the end of the vein N4	0.990	0.100
Ratio between the height and the base of the tooth at the end of the vein N2'	1.120	0.170
Ratio between the height and the base of the tooth at the end of the vein N2	1.060	0.180
Ratio between the height and the base of the teeth of the left side	0.790	0.130
Ratio between the height and the base of the teeth of the right side	0.890	0.150
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	0.010
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 N5 and the length of the vein N1	0.190	0.040
Ratio between the length of the vein N4' and the length of the vein N1	0.360	0.040
Ratio between the length of the vein N4 and the length of the vein N1	0.380	0.040
Ratio between the length of the vein N3' and the length of the vein N1	0.640	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.640	0.050
Ratio between the length of the vein N2' and the length of the vein N1	0.860	0.060
Ratio between the length of the vein N2 and the length of the vein N1	0.870	0.050
Ratio between length and width of the leaf	1.030	0.040
Ratio between the length of the petiole OP and the length of the vein N1	1.080	0.120
Ratio between the distance from the sinus and the length of the vein N2	0.400	0.070
Ratio between the distance from the sinus and the length of the vein N2'	0.410	0.060
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.550	0.090
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.560	0.090

### Phenology & production

OIV	description	value	
301	Time of bud burst	2	between very early and early
303	Time of beginning of berry ripening (veraison)	4	medium-early
304	Time of physiological stage of full maturity of the berry	5	medium

### 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
Number of shoots/canes per vine (number/vine)	9.900	2.900	4
Number of shoots/canes per meter of row (number/m)	9.900	2.900	4
Cane's weight (g)	75.000	12.000	4
Pruning wood's weight per vine (kg)	0.744	0.114	4
Pruning wood's weight per vine meter of row (kg)	0.744	0.114	4

fertility	value	standard deviation	number of years
Number of bunch per shoots at flowering (number/shoot)	1.500	0.400	4

production's quantitative characteristics	value	standard deviation	number of years
Number of bunches per meter of row (number/m)	17.900	6.700	4
Grape production per vine (kg/ceppo)	3.950	1.300	4
Grape production per meter of row (kg/m)	3.950	1.300	4
Grape production per hectare (t/ha)	141.000	47.000	4
Weight of 100 berries (g)	207.000	20.000	4
Berry diameter (average of 25 berries) - width (mm)	14.900	1.700	4
Berry diameter (average of 25 berries) - height (mm)	16.700	1.900	4
Bunch's weight (g)	255.000	102.000	4
Number of bunches per vine (number/vine)	17.900	6.700	4

production's qualitative characteristics	value	standard deviation	number of years
Anthocyanins coloration of flesh? (yes/no)	<input type="checkbox"/> no	not available	not available
pH (pH)	3.040	0.150	4
Sugar content of must (°Brix)	21.800	2.000	4

### Berry polyphenols

no polyphenolic descriptors available for Vespolina 30

### Berry aroma

no aroma descriptors available for Vespolina 30

### Other descr.

no other descriptors available for Vespolina 30

### 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)

- Vespolina 30 - Istituto per la Protezione Sostenibile delle Piante - CNR