



# Blanc de Morgex 4

Schneider A., Torello Marinoni D., Raimondi S., 2013. Blanc de Morgex 4 ITA360-377 (Prié blanc). 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

## General information

**name** Blanc de Morgex 4  
**country of selection** Italia  
**province of selection** not available  
**holding institution** Istituto per la Protezione Sostenibile delle Piante - CNR  
**collection vineyard** Grinzane Cavour  
**code** ITA360-377  
**region of selection** Valle d'Aosta  
**locality of selection** not available

## Variety & clone

**type of origin** spontanea  
**specie** Vitis vinifera  
**variety** Prié blanc  
**clone** 1 - AO 4  
**genera** Vitis  
**subspecie** sativa  
**variety code** IVD-var\_175  
**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
Moriondo G.	1999	Prié blanc B.		Catalogo Istituzionale

### Trueness to type confirmed by SSR-markers

confirmation by SSR-markers **confirmed**

### related bibliography (1)

authors	year	title	journal	citation
Vouillamoz J., Frei A., Arnold C.	2008	Swiss Vitis Microsatellite Database: profils génétique des vignes suisses su Internet.	Revue Swiss de Viticulture, Arboriculture, Horticulture	40: 187-193

compared loci **6**

identical loci **6**

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	155	227	237	233	247	185	189	194	196	239	251	240	250	237	247	253	273

## Images



shoot



leaf



bunch

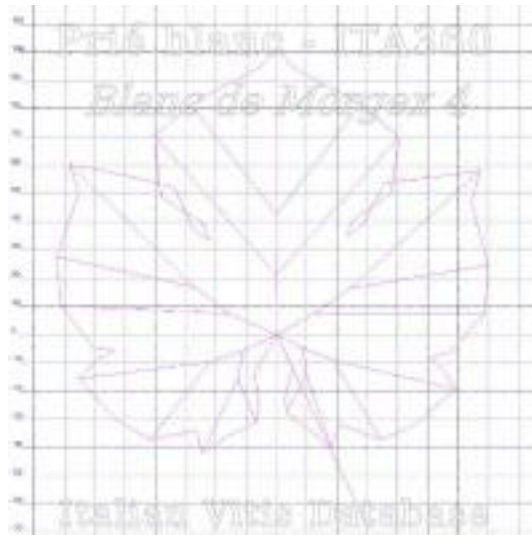
## Ampelography

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	medium	
006	Shoot: attitude (before tying)	3	semi-erect	
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 / 4	green / copper - reddish	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	3	low	
067	Mature leaf: shape of blade	3	pentagonal	
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 / 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	3	involute	
075	Mature leaf: blistering of upper side of blade	3	weak	
076	Mature leaf: shape of teeth	3	both sides convex	
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	3 / 5	shallow / medium	
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 / 5	loose / medium	
206	Bunch: length of peduncle of primary bunch	3	short	

208	Bunch: shape	1 / 2	cylindrical / 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	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
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 101.40 )	
602	PDF	Mature leaf: length of vein N2	( Ø 90.30 )	
603	PDF	Mature leaf: length of vein N3	( Ø 65.30 )	
604	PDF	Mature leaf: length of vein N4	( Ø 46.70 )	
605	PDF	Mature leaf: length petiole sinus to upper lateral leaf sinus	( Ø 41.20 )	
606	PDF	Mature leaf: length petiole sinus to lower lateral leaf sinus	( Ø 52.90 )	
607	PDF	Mature leaf: angle between N1 and N2 measured at the first ramification	( Ø 61.40 )	
608	PDF	Mature leaf: angle between N2 and N3 measured at the first ramification	( Ø 56.90 )	
609	PDF	Mature leaf: angle between N3 and N41) measured at the first ramification	( Ø 59.60 )	
610	PDF	Mature leaf: angle between N3 and the tangent between petiole point	( Ø 56.80 )	
611	PDF	Mature leaf: length of vein N5	( Ø 15.90 )	
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 45.80 )	
618	PDF	Mature leaf: opening/overlapping of petiole sinus	( Ø -11.00 )	

## Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower left sinus	54.200	6.800
Distance from the petiole sinus to the lower right sinus	51.500	6.100
Distance from the petiole sinus to the upper left sinus	40.300	6.200
Distance from the petiole sinus to the upper right sinus	42.000	7.700
Vein N3', length from the petiole sinus to vein N4'	12.500	1.900
Vein N3, length from the petiole sinus to vein N4	10.000	2.400
Length of vein N5'	16.500	4.000
Length of vein N5	15.300	2.800
Length of vein N4'	39.100	5.600
Length of vein N4	36.800	5.100
Distance between petiole point and end of vein N4'	49.100	6.200
Distance between petiole point and end of vein N4	44.300	5.800
Leaf length	146.500	13.400
Leaf width	137.400	16.000
Leaf length Including the petiole	178.500	15.600
Petiole length	77.100	8.000
Length of vein N1	101.400	9.500
Distance between the ends of veins N2 and N2'	135.600	17.300
Distance between the ends of veins N3 and N3'	125.100	11.500
Distance between the ends of veins N4 and N4'	43.400	6.400
Width of petiole sinus / Distance between points SP and SP'	-11.000	3.700
Length of vein N2	89.400	6.700
Length of vein N2'	91.100	11.200
Length of vein N3	63.100	6.000
Length of vein N3'	67.500	8.600
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	46.100	10.600
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	45.400	8.800

angles		
descriptor	value	standard deviation
Angle between N1' and N2' measured at the ends of the veins	48.300	3.300
Angle between N2 and N3 measured at the ends of the veins	58.800	6.500
Angle between N2' and N3' measured at the ends of the veins	54.700	5.400
Angle between N3 and N4 measured at the ends of the veins	47.600	5.800
Angle between N3' and N4' measured at the ends of the veins	46.300	6.300
Angle of opening of the petiole sinus measured at SP and at SP'	23.000	11.100
Angle between D and D' with the center in N1	104.700	7.700
Angle between S and S' with the center in N1	37.500	5.600
Angle between I and I' with the center in N1	51.400	4.000
Angle between N1 and N2 measured at the first bifurcation	59.200	5.200
Angle between N1 and N2' measured at the first bifurcation	63.600	3.500
Angle between N2 and N3 measured at the first bifurcation	61.000	7.900
Angle between N2 and N3' measured at the first bifurcation	52.700	4.600
Angle between N3 and N4 at the first fork of N3	59.900	8.100
Angle between N3' and N4'	59.300	4.600
Angle between N1 and N2 measured at the ends of the veins	48.900	6.400

ratios		
descriptor	value	standard deviation
Ratio between length and width of the leaf	1.070	0.060
Ratio between the length of the petiole OP and the length of the vein N1	0.760	0.070
Ratio between the distance from the sinus and the length of the vein N2	0.470	0.090
Ratio between the distance from the sinus and the length of the vein N2'	0.450	0.070
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.820	0.050
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.800	0.050
Media of the base of the teeth of the left side	7.920	1.150
Media height of the teeth of the left side	8.450	1.110
Media of the base of the teeth of the right side	7.860	1.510
Media height of the teeth of the right side	8.440	1.510
Ratio between the height and the base of the tooth at the end of the vein N4'	0.710	0.150
Ratio between the height and the base of the tooth at the end of the vein N4	0.710	0.100
Ratio between the height and the base of the tooth at the end of the vein N2'	0.750	0.070
Ratio between the height and the base of the tooth at the end of the vein N2	0.760	0.120
Ratio between the height and the base of the teeth of the left side	1.080	0.150
Ratio between the height and the base of the teeth of the right side	1.100	0.180
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	0.160	0.040
Ratio between the length of the vein N5 and the length of the vein N1	0.150	0.030
Ratio between the length of the vein N4' and the length of the vein N1	0.390	0.040
Ratio between the length of the vein N4 and the length of the vein N1	0.360	0.050
Ratio between the length of the vein N3' and the length of the vein N1	0.630	0.060
Ratio between the length of the vein N3 and the length of the vein N1	0.630	0.060
Ratio between the length of the vein N2' and the length of the vein N1	0.900	0.050
Ratio between the length of the vein N2 and the length of the vein N1	0.890	0.070

### Phenology & production

no descriptors available for Blanc de Morgex 4

**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
Cane's weight (g)	64.000	12.000	4
Pruning wood's weight per vine (kg)	0.850	0.160	4
Pruning wood's weight per vine meter of row (kg)	0.850	0.160	4
Number of shoots/canes per vine (number/vine)	13.200		1
Number of shoots/canes per meter of row (number/m)	13.200		1

fertility	value	standard deviation	number of years
Number of bunch per shoots at flowering (number/shoot)	0.900		1

production's quantitative characteristics	value	standard deviation	number of years
Grape production per vine (kg/ceppo)	1.860	0.900	4
Grape production per meter of row (kg/m)	1.860	0.900	4
Grape production per hectare (t/ha)	66.000	32.000	4
Weight of 100 berries (g)	245.000	34.000	4
Bunch's weight (g)	221.000	63.000	4
Number of bunches per vine (number/vine)	10.100	3.500	4
Number of bunches per meter of row (number/m)	10.100	3.500	4

production's qualitative characteristics	value	standard deviation	number of years
Titrateable acidity of must (g/l)	7.100	2.100	4
Anthocyanins coloration of flesh? (yes/no)	<input type="checkbox"/> no	not available	not available
pH (pH)	3.390	0.160	4
Sugar content of must (°Brix)	21.600	2.300	4

**Berry polyphenols**

no polyphenolic descriptors available for Blanc de Morgex 4

**Berry aroma**

no aroma descriptors available for Blanc de Morgex 4

**Other descr.**

no other descriptors available for Blanc de Morgex 4

**Accessions of the same variety (1)**

- Blanc de Morgex 4 - Istituto per la Protezione Sostenibile delle Piante - CNR