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Fer

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

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General information managed by

Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria - Centro di ricerca per la viticoltura (Conegliano TV)

Botanical information

name Fer
type of origin spontanea
specie Vitis vinifera
variety group not available
trueness to type confirmed by SSR-markers
code IVD-var_81

genera Vitis
subspecie sativa
variety for wine

True-name

confirmed **yes**

Registration

Registered in the National Catalogue no

Synonyms

documented synonyms (1)
synonyms documented by the Istitution that appear with the eventual support of the literature
Gragnelut

Main accession info

main accession Gragnelut
creation submitter Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria - Centro di ricerca per la viticoltura (Conegliano TV)

Standardized accessions (1)

- Gragnelut - Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria - Centro di ricerca per la viticoltura (Conegliano TV)

All accessions (1)

- Gragnelut - Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria - Centro di ricerca per la viticoltura (Conegliano TV)

Released clones

no clone available for Fer

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:	139	151	225	237	239	249	185	189	188	200	245	251	240	250	231	251	241	273

other Locus info available online

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Images

shoot

leaf

leafLs

bunch

berry

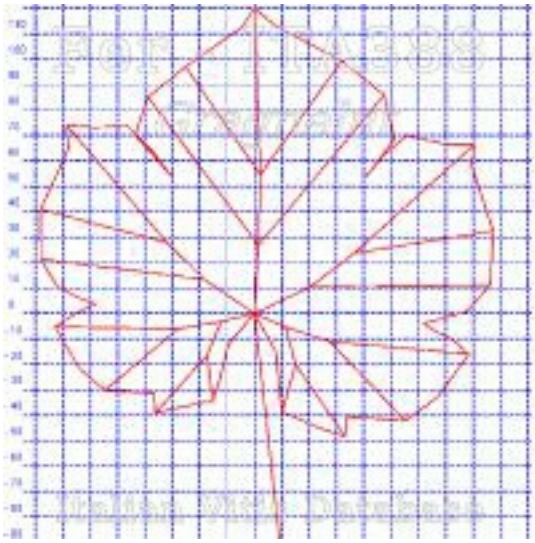
seed

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	7	high	
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)	3	bronze	
053	Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf)	5	medium	
065	Mature leaf: size of blade	5	medium	
067	Mature leaf: shape of blade	3	pentagonal	
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	3	weak	
074	Mature leaf: profile of blade in cross section	2	V-shaped	
075	Mature leaf: blistering of upper side of blade	3	weak	
076	Mature leaf: shape of teeth	2	both sides straight	
078	Mature leaf: length of teeth compared with their width	3	short	
079	Mature leaf: degree of opening / overlapping of petiole sinus	3	open	
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	9	present	
084	Mature leaf: density of prostrate hairs between the main veins on lower side of blade	1 / 3	none or very low / low	
087	Mature leaf: density of erect hairs on main veins on lower side of blade	1	none or very low	
093	Mature leaf: length of petiole compared to length of middle vein	5	equal	

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)	5	medium (1,1-1,3)	
202	Bunch: length (peduncle excluded)	5	medium	
204	Bunch: density	7	dense	
206	Bunch: length of peduncle of primary bunch	1	very short	
208	Bunch: shape	2	conical	
209	Bunch: number of wings of the primary bunch	3	3 - 4 wings	
220	Berry: length	5	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	4	herbaceous	
241	Berry: formation of seeds	3	complete	

Ampelometry



ampelometric leaf

OIV

no descriptors available for Gragnelut

Superampelo

distances		
descriptor	value	standard deviation
Distance from the petiole sinus to the lower right sinus	62.130	10.300
Distance from the petiole sinus to the lower left sinus	58.560	6.980
Distance from the petiole sinus to the upper right sinus	67.570	9.250
Distance from the petiole sinus to the upper left sinus	61.720	9.050
Vein N3, length from the petiole sinus to vein N4	12.580	1.990
Vein N3', length from the petiole sinus to vein N4'	12.670	2.810
Length of vein N5	19.470	2.710
Length of vein N5'	17.970	2.980
Length of vein N4	48.780	5.020
Length of vein N4'	43.720	3.940
Distance between petiole point and end of vein N4	59.240	5.430
Distance between petiole point and end of vein N4'	53.710	5.890
Leaf width	157.650	8.880
Leaf length	169.170	8.980
Petiole length	93.160	9.780
Leaf length Including the petiole	213.210	10.580
Distance between the ends of veins N2 and N2'	149.790	8.170
Length of vein N1	120.060	5.420
Distance between the ends of veins N4 and N4'	70.670	12.610
Distance between the ends of veins N3 and N3'	152.300	10.110
Length of vein N2	104.850	6.390
Width of petiole sinus / Distance between points SP and SP'	-22.050	5.770
Length of vein N3	80.450	6.130
Length of vein N2'	101.440	6.580
Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2	58.730	9.350
Length of vein N3'	73.610	6.170
Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2'	49.560	9.640

angles		
descriptor	value	standard deviation
Angle between N1 and N2 measured at the first bifurcation	59.580	3.660
Angle between N2 and N3 measured at the first bifurcation	52.690	3.460
Angle between N1 and N2' measured at the first bifurcation	56.990	6.240
Angle between N3 and N4 at the first fork of N3	55.950	5.110
Angle between N2 and N3' measured at the first bifurcation	50.220	4.300
Angle between N1 and N2 measured at the ends of the veins	50.270	6.130
Angle between N3' and N4'	58.280	3.900
Angle between N2 and N3 measured at the ends of the veins	51.080	4.100
Angle between N1' and N2' measured at the ends of the veins	42.910	6.040
Angle between N3 and N4 measured at the ends of the veins	44.310	3.710
Angle between N2' and N3' measured at the ends of the veins	51.240	2.400
Angle of opening of the petiole sinus measured at SP and at SP'	44.790	10.870
Angle between N3' and N4' measured at the ends of the veins	43.180	2.560
Angle between S and S' with the center in N1	56.090	9.290
Angle between D and D' with the center in N1	102.170	5.610
Angle between N2 and N3 measured at the petiole point and between N2 and N3 tooth tip	64.060	5.770
Angle between I and I' with the center in N1	52.810	4.330
Angle between N2 and N3 measured at the petiole point and between N2' and N3' tooth tip	62.180	4.340

rations		
descriptor	value	standard deviation
Ratio between the height and the base of the tooth at the end of the vein N4'	0.570	0.090
Ratio between the height and the base of the tooth at the end of the vein N2'	0.580	0.090
Ratio between the height and the base of the tooth at the end of the vein N4	0.650	0.050
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 height and the base of the tooth at the end of the vein N2	0.550	0.090
Ratio between the length of the vein N5' and the length of the vein N1	0.150	0.030
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 N4' and the length of the vein N1	0.360	0.030
Ratio between the length of the vein N5 and the length of the vein N1	0.160	0.020
Ratio between the length of the vein N3' and the length of the vein N1	0.610	0.050
Ratio between the length of the vein N4 and the length of the vein N1	0.410	0.040
Ratio between the length of the vein N2' and the length of the vein N1	0.850	0.050
Ratio between the length of the vein N3 and the length of the vein N1	0.670	0.040
Ratio between the distance from the petiole sinus to the lower left sinus OI' and the length of vein N3'	0.800	0.080
Ratio between the length of the vein N2 and the length of the vein N1	0.870	0.040
Ratio between the distance from the sinus and the length of the vein N2'	0.610	0.080
Ratio between the distance from the petiole sinus to the lower right sinus OI and the length of vein N3	0.770	0.110
Multiplication between length and width of the leaf	26725.500	2753.450
Ratio between the length of the petiole OP and the length of the vein N1	0.780	0.090
Ratio between length and width of the leaf	1.070	0.040
Ratio between the distance from the sinus and the length of the vein N2	0.640	0.080

Bibliographies (4)

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