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# Incrocio Dalmasso XI/5

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## Information managed by

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## Acknowledgments

Ager IVD; Azienda Didattico – Sperimentale 'Tetti Grondana', Chieri (TO)

## General information

**name** Incrocio Dalmasso XI/5
**code** ITA424-035
**country of selection** Italia
**region of selection** Piemonte
**province of selection** not available
**locality of selection** not available
**holding institution** Dipartimento di Scienze Agrarie, Forestali e Alimentari - Università degli Studi di Torino
**collection vineyard** Azienda Agraria Didattico Sperimentale 'Tetti Grondana' - Chieri (TO)

## Variety & clone

**type of origin** incrocio intraspecifico
**genera** Vitis
**specie** Vitis vinifera
**subspecie** sativa
**variety** Incrocio Dalmasso XI/5
**variety code** IVD-var_294
**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**

### *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 ) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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: | 135 | 149 | 231 | 231 | 239 | 247 | 185 | 185 | 188 | 192 | 239 | 251 | 250 | 256 | 247 | 261 | 273 | 273 |

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## Images

**shoot**

**leaf**

**leafUs**

**leafLs**

**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 | 1 | none or very low | |
| 004 | Young Shoot: density of prostrate hairs on tip | 1 | none or very low | |
| 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 | green | |
| 053 | Young leaf: density of prostrate hairs between main veins on lower side of blade (4th leaf) | 1 / 3 | none or very low / low | |
| 065 | Mature leaf: size of blade | 5 | medium | |
| 067 | Mature leaf: shape of blade | 4 | circular | |
| 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 | 1 | absent or very weak | |
| 074 | Mature leaf: profile of blade in cross section | 1 / 5 (⊘ 4) | flat / twisted | |
| 075 | Mature leaf: blistering of upper side of blade | 3 | weak | |
| 076 | Mature leaf: shape of teeth | 2 / 5 (⊘ 3) | both sides straight / mixture between both sides straight (note 2) and both sides convex (note 3) | |
| 078 | Mature leaf: length of teeth compared with their width | 5 / 7 | medium / long | |
| 079 | Mature leaf: degree of opening / overlapping of petiole sinus | 3 / 7 | open / overlapped | |
| 080 | Mature leaf: shape of base of petiole sinus | 2 / 3 | brace-shaped ({) / 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 | |
| 087 | Mature leaf: density of erect hairs on main veins on lower side of blade | 1 (⊘ 2) | none or very low | |
| 094 | Mature leaf: depth of upper lateral sinuses | 7 / 5 | deep / medium | |

| | | | | |
|---|---|---|---|---|
| 151 | Flower: sexual organs | 3 | fully developed stamens and fully developed gynoecium | |
| 202 | Bunch: length (peduncle excluded) | 7 | long | |
| 204 | Bunch: density | 7 / 5 | dense / medium | |
| 206 | Bunch: length of peduncle of primary bunch | 1 / 3 | very short / short | |
| 208 | Bunch: shape | 2 / 3 | conical / funnel shaped | |
| 209 | Bunch: number of wings of the primary bunch | 3 | 3 - 4 wings | |
| 220 | Berry: length | 7 / 9 | long / very long | |
| 221 | Berry: width | 5 | medium | |
| 223 | Berry: shape | 7 / 6 | ovoid / obtuse ovoid | |
| 225 | Berry: color of skin | 3 / 2 | red / rose | |
| 235 | Berry: firmness of flesh | 3 | very firm | |
| 236 | Berry: particularity of flavor | 1 | none | |
| 241 | Berry: formation of seeds | 3 | complete | |

## Ampelometry

*OIV*

no descriptors available for Incrocio Dalmasso XI/5

*Superampelo*

| distances | | |
|---|---|---|
| descriptor | value | standard deviation |
| Distance between the tooth tip of N2 and the tooth tip of the first ramification (secondary vein) of N2 | 26.190 | 5.888 |
| Distance between the tooth tip of N2' and the tooth tip of the first ramification (secondary vein) of N2' | 16.190 | 6.358 |
| Distance from the petiole sinus to the lower right sinus | 18.080 | 4.278 |
| Distance from the petiole sinus to the lower left sinus | 20.760 | 4.988 |
| Distance from the petiole sinus to the upper right sinus | 20.440 | 9.001 |
| Distance from the petiole sinus to the upper left sinus | 20.240 | 6.563 |
| Vein N3, length from the petiole sinus to vein N4 | 5.740 | 0.574 |
| Vein N3', length from the petiole sinus to vein N4' | 5.270 | 1.236 |
| Length of vein N5 | 8.270 | 2.374 |
| Length of vein N5' | 7.950 | 1.844 |
| Length of vein N4 | 19.600 | 3.760 |
| Length of vein N4' | 18.540 | 2.711 |
| Leaf width | 69.410 | 9.513 |
| Leaf length | 74.890 | 8.702 |
| Petiole length | 44.130 | 11.474 |
| Leaf length Including the petiole | 97.760 | 15.876 |
| Distance between the ends of veins N2 and N2' | 65.190 | 6.940 |
| Length of vein N1 | 53.630 | 5.390 |
| Distance between the ends of veins N4 and N4' | 27.550 | 4.075 |
| Distance between the ends of veins N3 and N3' | 64.370 | 7.932 |
| Length of vein N2 | 47.170 | 5.427 |
| Width of petiole sinus / Distance between points SP and SP' | -8.560 | 3.561 |
| Length of vein N3 | 33.390 | 4.680 |
| Length of vein N2' | 45.316 | 4.113 |
| Length of vein N3' | 31.460 | 4.276 |

| angles | | |
|---|---|---|
| descriptor | value | standard deviation |
| Angle between N2 and N3 measured at the first bifurcation | 54.930 | 5.975 |
| Angle between N1 and N2' measured at the first bifurcation | 51.580 | 4.726 |
| Angle between N3 and N4 at the first fork of N3 | 59.720 | 8.091 |
| Angle between N2 and N3' measured at the first bifurcation | 54.480 | 4.189 |
| Angle between N1 and N2 measured at the ends of the veins | 52.720 | 7.505 |
| Angle between N3' and N4' | 62.920 | 5.673 |
| Angle between N2 and N3 measured at the ends of the veins | 52.810 | 3.175 |
| Angle between N1' and N2' measured at the ends of the veins | 37.010 | 8.746 |
| Angle between N3 and N4 measured at the ends of the veins | 45.720 | 5.807 |
| Angle between N2' and N3' measured at the ends of the veins | 48.570 | 9.298 |
| Angle of opening of the petiole sinus measured at SP and at SP' | 52.300 | 27.103 |
| Angle between N3' and N4' measured at the ends of the veins | 49.850 | 3.688 |
| Angle between S and S' with the center in N1 | 34.700 | 19.670 |
| Angle between D and D' with the center in N1 | 89.070 | 14.685 |
| Angle between I and I' with the center in N1 | 40.060 | 8.722 |
| Angle between N1 and N2 measured at the first bifurcation | 58.660 | 6.118 |

| rations | | |
|---|---|---|
| descriptor | value | standard deviation |
| Ratio between length and width of the leaf | 1.084 | 0.079 |
| 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' | 0.048 | 0.013 |
| 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 | 0.056 | 0.017 |
| Ratio between the height and the base of the teeth of the left side | 0.651 | 0.044 |
| Ratio between the height and the base of the teeth of the right side | 0.635 | 0.039 |
| Ratio between the height and the base of the tooth at the end of the vein N2' | 1.066 | 0.259 |
| Ratio between the height and the base of the tooth at the end of the vein N2 | 0.912 | 0.241 |
| Ratio between the height and the base of the tooth at the end of the vein N4 | 0.868 | 0.102 |
| Media of the base of the teeth of the left side | 3.939 | 0.593 |
| Media of the base of the teeth of the right side | 4.331 | 0.958 |
| Media height of the teeth of the left side | 2.569 | 0.447 |
| Ratio between the height and the base of the tooth at the end of the vein N4' | 0.835 | 0.180 |
| Media height of the teeth of the right side | 2.745 | 0.619 |

## Phenology & production

| OIV | description | value | |
|---|---|---|---|
| 301 | Time of bud burst | 5 | medium |
| 302 | Time of full bloom | 5 | medium |
| 303 | Time of beginning of berry ripening (veraison) | 5 | medium |
| 304 | Time of physiological stage of full maturity of the berry | 5 / 7 | medium / late |
| 452 | Leaf: degree of resistance to Plasmopara | 7 | high |
| 453 | Cluster: degree of resistance to Plasmopara | 7 | high to very high |
| 455 | Leaf: degree of resistance to Oidium | 7 | high |
| 456 | Cluster: degree of resistance to Oidium | 5 | medium |
| 458 | Leaf: degree of resistance to Botrytis | 7 | high or very high |
| 459 | Cluster: degree of resistance to Botrytis | 9 | very high |
| 501 | Percentage of berry set | 7 | high |
| 502 | Bunch: weight of a single bunch | 5 / 7 | medium (450-550 g) / high (650-750 g) |
| 503 | Berry: single berry weight | 5 | medium (4,5-5,5 g) |
| 505 | Sugar content of must | 5 | medium (17,2-18,8) |
| 506 | Total acid content of must | 7 | high (11,2-12,8) |
| 508 | must specific pH | 5 | medium (3,2-3,3) |

## Agronomic

no descriptors available for Incrocio Dalmasso XI/5

## Berry polyphenols

| acylated anthocyanins | skin (mg/kg) (std dev) | seed (mg/kg) (std dev) | flesh (mg/kg) (std dev) |
|---|---|---|---|
| peonidina monoglucoside p-cumarato | 1.17 | | |
| cianidina monoglucoside p-cumarato | 1.04 | | |

| anthocyanins monoglycosides | skin (mg/kg) (std dev) | seed (mg/kg) (std dev) | flesh (mg/kg) (std dev) |
|---|---|---|---|
| cianidina-3-monoglucoside | 15.01 | | |
| peonidina-3-monoglucoside | 15.23 | | |
| malvidina-3-monoglucoside | 1.17 | | |

## Berry aroma

no aroma descriptors available for Incrocio Dalmasso XI/5

## Other descr.

no other descriptors available for Incrocio Dalmasso XI/5

### Related bibliography (1)

| authors | year | title | journal | citation |
|---|---|---|---|---|
| Dalmasso G. | | Quaderno degli Incroci ad uva da tavola (Manoscritto) | | Dalmasso G., Quaderno degli Incroci ad uva da tavola (Manoscritto) |

## Accessions of the same variety (1)

- Incrocio Dalmasso XI/5 - Dipartimento di Scienze Agrarie, Forestali e Alimentari - Università degli Studi di Torino