Table S1. Evaluation of ampelographic descriptors

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| DESCRIPTORS | Female | Frequency (%) | Male | Frequency (%) |
| Young shoot: aperture of tip (OIV 001) | 5 (fully open) | 100 | 5 (fully open) | 100 |
| Young shoot: distribution of anthocyanin coloration on prostrate hairs of tip (OIV 002) | 2 (piping)-  1 (absent) | 80.5-  19.5 | 1 (absent)-  2 (piping) | 27.5-  72.5 |
| Young shoot: intensity of anthocyanin coloration on prostrate hairs of tip (OIV 003) | 3 (low) | 100 | 3 (low) | 100 |
| Young shoot: density of prostrate hairs on tip (OIV 004) | 3 (low)-  5 (medium) | 59.6-  40.4 | 3 (low) | 100 |
| Young shoot: density of erect hairs on tip (OIV 005) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Shoot: attitude (before tying) (OIV 006 ) | 3 (semi-erect) | 100 | 3 (semi-erect) | 100 |
| Shoot: color of dorsal side of internodes (OIV 007) | 2 (green and red) | 100 | 1 (green)-  2 (green and red) | 15.0-  85.0 |
| Shoot: color of ventral side of internodes (OIV 008 ) | 2 (green and red) | 100 | 1 (green)-  2 (green and red) | 18.0-  82.0 |
| Shoot: color of dorsal side of nodes (OIV 009) | 2 (green and red)-  3 (red) | 92.3-  7.7 | 1 (green)-  2 (green and red) | 16.4-  83-6 |
| Shoot: color of ventral side of nodes (OIV 010) | 2 (green and red)-3 (red) | 92.3-  7.7 | 1 (green)-2 (green and red) | 17.2-  82.8 |
| Shoot: density of erect hairs on nodes (OIV 011) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Shoot: density of erect hairs on internodes (OIV 012) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Shoot: density of prostrate hairs on nodes (OIV 013 ) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Shoot: density of prostrate hairs on internodes (OIV 014) | 1 (none or very low) | 100 | 1 (none or very low)- 3 (low) | 43.8-56.2 |
| Shoot: intensity of anthocyanin coloration on bud scales (OIV 015-2) | 1 (none or very weak)-  3 (weak) | 62.0-  48.0 | 1 (none or very weak)-  3 (weak) | 43.0-  57.0 |
| Shoot: number of consecutive tendrils (OIV 016) | 1 (2 or less) | 100 | 1 (2 or less) | 100 |
| Shoot: length of tendrils (OIV 017) | 1 (very short)-  3 (short) | 38.6-  61.4 | 1 (very short)-  3 (short) | 43-  57 |
| Young leaf: color of the upper side of blade (4 th leaf) (OIV 051) | 3 (bronze) –  4 (copper-reddish) | 70.2-  29.8 | 1 (green)-  3 (bronze)-  4 (copper-reddish) | 12.0-  48.0-  40.0 |
| Young leaf: density of prostrate hairs between main veins on lower side of blade (OIV 053) | 3 (low) | 100 | 1 (none or very low)-  3 (low)-5b (medium) | 18.2-  62.0-  19.8 |
| Young leaf: density of erect hairs between main veins on lower side of blade (OIV 054) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Young leaf: density of prostrate hairs on main veins on lower side of blade (OIV 055) | 1 (none or very low)-  3 (low)-  5 (medium) | 20.4-  69.6-  10.0 | 1 (none or very low)-  3 (low)-5b (medium) | 18.0-  60.0-  22.0 |
| Young leaf: density of erect hairs on main veins on lower side of blade (4 th leaf) (OIV 056) | 1 (none or very low) | 100 | 1 (none or very low)-  3 (low) | 89.6-  9.4 |
| Mature leaf: size of blade (OIV 065) | 3 (small)-  5 (medium) | 60.4-  39.6 | 1 (very small)-  3 (small)-  5 (medium) | 22.4-  27.6-  50.0 |
| Mature leaf: shape of blade (OIV 067) | 2 (wedge-shaped)-  3 (pentagonal)- 4 (circular) | 60.4-  24.6-  15.0 | 3 (pentagonal) 4 (circular) | 71.0-  29.0 |
| Mature leaf: number of lobes (OIV 068) | 1 (entire leaf)-  2 (three) | 73.0-  27.0 | 1 (entire leaf)-  2 (three) | 20.0-30.8-49.2 |
| Mature leaf: color of the upper side of blade (OIV 069) | 5 (medium green) | 100 | 5 (medium green) | 100 |
| Mature leaf: area of anthocyanin coloration of main veins on upper side of blade (OIV 070) | 1 (absent) | 100 | 1 (absent) | 100 |
| Mature leaf: area of anthocyanin coloration of main veins on lower side of blade (OIV 071) | 1 (absent) | 100 | 1 (absent) | 100 |
| Mature leaf: goffering of blade (OIV 072) | 1 (absent or very weak)-  3 (weak) | 79.6-  20.4 | 1 (absent or very weak)-  3 (weak) | 68.2-  31.8 |
| Mature leaf: undulation of blade between main and lateral veins (OIV 073) | 1 (absent) | 100 | 1 (absent) | 100 |
| Mature leaf: profile of blade in cross section (OIV 074) | 1 (flat)-  3 (involute)-4 (revolute) | 69.2-  18.0-  12.8 | 1 (flat)-  3 (involute)-4 (revolute) | 80.0-  8.0-  12.0 |
| Mature leaf: blistering of upper side of blade (OIV 075) | 3 (weak) | 100 | 3 (weak) | 100 |
| Mature leaf: shape of teeth (OIV 076) | 2 (both side straight)-3 (both sides convex) | 68.4-  31.6 | 2 (both side straight)-  3 (both side convex) | 65.6-  34.4 |
| Mature leaf: size of teeth in relation to blade size (OIV 077) | 3 (short) | 100 | 3 (short) | 100 |
| Mature leaf: length of teeth compared with their width (OIV 078) | 3 (short) | 100 | 4 (short) | 100 |
| Mature leaf: degree of opening / overlapping of petiole sinus (OIV 079) | 3 (open) | 100 | 1 (very wide open)-  3 (open) | 38.0-  62.0 |
| Mature leaf: shape of base of petiole sinus (OIV 080) | 1 (U-shaped)-  2 (brace -shaped)-  3 (V-shaped) | 71.0-  20.0-  9.0 | 1 (U-shaped)- 2 (brace-shaped) | 58.0-  42.0 |
| Mature leaf: teeth in the petiole sinus (OIV081-1) | 1 (none) | 100 | 1 (none) | 100 |
| Mature leaf: petiole sinus base limited by veins (OIV 081-2) | 1 (not limited) | 100 | 1 (not limited) | 100 |
| Mature leaf: degree of opening / overlapping of upper lateral sinus (OIV 082) | 1 (open) | 100 | 1 (open) | 100 |
| Mature leaf: teeth in the upper lateral sinuses (OIV 083-2) | 1 (none) | 100 | 1 (none) | 100 |
| Mature leaf: density of prostrate hairs between the main veins on lower side of blade (OIV 084) | 1 (none or very low) | 100 | 1 (none or very low)-  3 (low)-  5 (medium) | 42.0-  31.0-  27.0 |
| Mature leaf: density of erect hairs between the main veins on lower side of blade (OIV 085) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Mature leaf: density of prostrate hairs on main veins on lower side of blade (OIV 086) | 1 (none or very low)-3 (low)-  5 (medium) | 20.0-  18.0-  62.0 | 3 (low) | 100 |
| Mature leaf: density of erect hairs on main veins on lower side of blade (OIV 087) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Mature leaf: prostrate hairs on main veins on upper side of blade (OIV 088) | 1 (absent) | 100 | 1 (absent) | 100 |
| Mature leaf: erect hairs on main veins on upper side of blade (OIV 089) | 1 (absent) | 100 | 1 (absent) | 100 |
| Mature leaf: density of prostrate hairs on petiole (OIV 090) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Mature leaf: density of erect hairs on petiole (OIV 091) | 1 (none or very low) | 100 | 1 (none or very low) | 100 |
| Mature leaf: length of petiole compared to length of middle vein (OIV 093) | 3 (slightly shorter)-  5 (equal) | 22.8-  77.2 | 3 (slightly shorter)-  5 (equal) | 21-  79 |
| Mature leaf: depth of upper lateral sinuses (OIV 094) | 1 (absent or very shallow)-  3 (Shallow) | 81.5-  18.5 | 3 (shallow)-  5 (medium) | 20.2-  79.8 |
| Woody shoot: cross section (OIV 101) | 2 (elliptic) | 100 | 2 (elliptic) | 100 |
| Woody shoot: structure of surface (OIV 102) | 2 (ribbed)-  3 (striate) | 45.6-  54.4 | 2 (ribbed)- 3 (striate) | 41.4-  58.6 |
| Woody shoot: main color (OIV 103) | 2 (brownish) | 100 | 2 (brownish) | 100 |
| Woody shoot: lenticels (OIV 104) | 1 (absent) | 100 | 1 (absent) | 100 |
| Woody shoot: erect hairs on nodes (OIV 105) | 1 (absent) | 100 | 1 (absent) | 100 |
| Woody shoot: erect hairs on internodes (OIV 106) | 1 (absent) | 100 | 1 (absent) | 100 |
| Flower: sexual organs (OIV 151) | 4 (reflexed estamens and fully developed gynoecium) | 100 | 1 (fully developed stamens and no gynoecium) | 100 |
| Inflorescence: number of inflorescences per shoot (OIV 153) | 2 (1,1 to 2 inflorescences) | 100 | 3 (2,1 to 3 inflorescences) | 100 |
| Bunch: length (peduncle excluded) (OIV 202) | 1 (very short)-  3 (short) | 68.4-  31.6 |  |  |
| Bunch: width (OIV 203) | 1 (very narrow)-  3 (narrow) | 78.0-  22.0 |  |  |
| Bunch: density (OIV 204) | 1 (very loose)-  3 (loose) | 56.1-  43.9 |  |  |
| Bunch: length of peduncle of primary bunch (OIV 206) | 1 (very short)-  3 (short) | 70.4-  29.6 |  |  |
| Bunch: lignification of peduncle (OIV 207) | 1 (at the base only)-5 (up toabout the middle) | 62.0-  48.0 |  |  |
| Bunch: shape (OIV 208) | 1 (cylindrical)-  2 (conical) | 46.8-  53.2 |  |  |
| Bunch: number of wings of the primary bunch (OIV 209) | 2 (1-2 wings) | 100 |  |  |
| Berry: length (OIV 220) | 1 (very short)-  3 (short) | 54.4-  45.6 |  |  |
| Berry: width (OIV 221) | 1 (very narrow)-  3 (narrow) | 42.1-  57.9 |  |  |
| Berry: uniformity of size (OIV 222) | 1 (not uniform) | 100 |  |  |
| Berry: shape (OIV 223) | 2 (globose)-  3 (broad ellipsoid) | 68.0-  32.0 |  |  |
| Berry: color of skin (OIV 225) | 6 (blue black) | 100 |  |  |
| Berry: uniformity of color of skin (OIV 226) | 1 (not uniform) | 100 |  |  |
| Berry: thickness of skin (OIV 228) | 7 (thick) | 100 |  |  |
| Berry: hilum (OIV 229) | 2 (visible) | 100 |  |  |
| Berry: intensity of the anthocyanin coloration of flesh (OIV 231) | 1 (none or very weak) | 100 |  |  |
| Berry: juiciness of flesh (OIV 232) | 1 (slightly juicy)-  2 (medium juicy) | 71.6-  28.4 |  |  |
| Berry: must yield (OIV 233) | 3 (little) | 100 |  |  |
| Berry: firmness of flesh (OIV 235) | 2 (slightly firm) | 100 |  |  |
| Berry: particularity of flavor (OIV 236) | 1 (none)-4 (herbaceous) | 72.0-  28.0 |  |  |
| Berry: length of pedicel (OIV 238) | 1 (very short) | 100 |  |  |
| Berry: ease of detachment from pedicel (OIV 240) | 2 (easy) | 100 |  |  |
| Berry: formation of seeds (OIV 241) | 3 (completed) | 100 |  |  |
| Berry: length of seeds (OIV 242) | 1 (very short)-  3 (short) | 48.0-  62.0 |  |  |
| Berry: weight of seeds (OIV 243) | 1 (very low)-  3 (low) | 59.8-  40.2 |  |  |
| Berry: transversal ridges on dorsal side of seeds (OIV 244) | 1 (absent) | 100 |  |  |
| Time of bud burst (OIV 301) | 5 (medium) | 100 | 5 (medium) | 100 |
| Time of full bloom (OIV 302) | 5 (medium) | 100 | 5 (medium) | 100 |
| Time of beginning of berry ripening (veraison) (OIV 303) | 5 (medium) | 100 | 5 (medium) | 100 |
| Time of physiological stage of full maturity of the berry (OIV 304) | 7 (late)-  9 (very late) | 61.4-  38.6 |  |  |
| Time of beginning of wood maturity (OIV 305) | 7 (late) | 100 | 7 (late) | 100 |
| Time of autumn coloring of leaves (OIV306) | 2 (reddish) | 100 | 1 (yellow)-  2 (reddish) | 27.6-  72.4 |
| Vigor of shoot growth (OIV 351) | 5 (medium) | 100 | 7 (strong) | 100 |
| Growth of axillary shoots (OIV 352) | 5 (medium) | 100 | 7 (strong) | 100 |
| Length of internodes (OIV 353) | 3 (Short)-  5 (medium) | 82.0-  18.0 | 5 (medium)-7 (long) | 68.0-  32.0 |
| Diameter of internodes (OIV 354) | 1 (very small)- 3 (small) | 37.4-  62.6 | 3 (small)-  5 (medium) | 71.4-  28.6 |