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Looking for old grapevine varieties

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Table S1

Grapevine varieties described from the pre-phylloxera era in the Comunitat Valenciana
(Alicante, Castellón and Valencia provinces)

| | | | |
|-----------------------------------|--------------------------------------|---------------------------------|----------------------------------|
| Albijera ^{2,3} | Ferrandella ^{1,2} | Morastrell ² | Rochet ^{2,3} |
| Albillo ² | Flor de baladre ¹ | Moravia ^{2,3} | Rochet de Chella ² |
| Aledo ¹ | Forcallá ^{1,2,3} | Morsí ¹ | Ros ^{1,2,3} |
| Apiñonada ² | Fumá ² | Morenillo ^{1,2,3} | Ros de la Gayata ² |
| Arcos ² | Garnacha ^{1,2,3} | Morenillo menut ² | Royal ^{1,2,3} |
| Atsanín ² | Garnacha tintorera ^{2,3} | Moscatel ^{1,2,3} | Sonsevera ^{1,2} |
| Barberá ^{1,2} | Garnachot ² | Moscatel de Elche ¹ | Sultana ^{1,2} |
| Blanquet ^{1,2,3} | Garrana ¹ | Moscatel menut ² | Tarta-avellacos ² |
| Bobal ^{1,2,3} | Gateta ² | Moscatel negro ³ | Teta de vaca ² |
| Botó de Gall ² | Gos ^{2,3} | Moscatel roig ² | Tintilla de Rota ² |
| Bumbao ² | Grumer ^{2,3} | Moscatellet ² | Tintorero híbrido ^{1,2} |
| Cabernet ² | Grumer blanco ² | Negrella ² | Tir ² |
| Cacheta ² | Grumer rojo ² | Palomino ² | Torrontes ^{1,2,3} |
| Cambril ² | Jaén ^{1,2,3} | Palop ^{2,3} | Tortosí ^{2,3} |
| Cardao ² | Jencibel ² | Palpadones ² | Trepadell ² |
| Castellano ² | Jijona ^{2,3} | Pampolat ^{1,2,3} | Ullerol ² |
| Chinchibera ² | Isabelilla ² | Parrallós ^{2,3} | Ullet de perdiu ² |
| Churret ² | La vino ² | Pedro Jiménez ² | Uva fresa ^{1,2} |
| Clotet ² | Laerén ^{2,3} | Pinot ^{1,2} | Uva rova ² |
| Clotí agrio ¹ | Macabeo ^{1,2,3} | Planta ^{1,2,3} | Valenci ^{1,2,3} |
| Clotí dulce ¹ | Malvasía ^{1,2,3} | Planta de Engort ² | Valenci negro ² |
| Clujidera ² | Mamella de vaca ² | Planta de escaldar ² | Verdecilla ^{1,2} |
| Colguilla ¹ | Marisancho ² | Planta de Mula ² | Verdil ^{1,2} |
| Cor de anchel ² | Meseguera ^{1,2,3} | Planta de Torrent ² | Verema ^{2,3} |
| Corinto ^{1,2,3} | Mollar ² | Planta fina ^{2,3} | Verema del pesó dur ² |
| Coñá ² | Monastrell ^{1,2,3} | Planta negra ² | Vernal ² |
| Croisillo ¹ | Monastrell de la gayata ² | Planta nova ^{2,3} | Vermell ^{1,2,3} |
| Dedo de dama ² | Monastrell menut ² | Planta tardana ² | Vidriell ^{2,3} |
| Dulsiereta de Onda ¹ | Mondragón ² | Putput ² | Vinaveta ¹ |
| Esclafacherres ^{1,2,3} | Montalbana ^{1,2} | Rhin blanco ¹ | |
| Esclafacherres negro ² | Morastel ³ | Rhin negro ¹ | |

¹ Ministerio de Fomento (1878). Estudio sobre la Exposición Vinícola Nacional de 1877 (1878). Ed. Imprenta y Fundición de Manuel Tello, Madrid;

² DGAIC (1891). Avance estadístico sobre cultivo y producción de la vid en España formado por la Junta Consultiva Agronómica, first ed. Tipografía de L. Péant e Hijos, Madrid.

³ LÓPEZ-GUARDIOLA (1899). La vid: notas sobre su cultivo intensivo. Ed. Francisco Vives Mora. Valencia. The following names also appeared in these documents but only one is shown in the table as it is considered are the same variety: Barberá/Barbereta; Blanquet/Blanqueta; Ferrandella/Fernandina; Forcallá/Flor callada; Gos/Planta de gos; Macabeo/Macabeu/Macamen/Malsabe; Meseguera/Masadera; Moscatel/Moscatel blanco/Moscatel romà/Moscatel romano; Pinot/Pinout; Royal/Rochal; Valenci/Valencia; Verdecilla/Verdesilla; Vermell/Bermell/Veremell.

Table S2

Grapevine accessions surveyed in different locations of Comunitat Valenciana (Spain); prime name of the variety confirmed and/or identified; chlorotype described or determined (in bold) after this work for each variety and location (origin and province) of the surveyed samples

| Cultivar name ¹⁾ | Identification ²⁾ Prime name ³⁾ | Chlorotype ⁴⁾ | Origin | Province |
|-----------------------------|--|--------------------------|-------------------|-----------|
| S1: Arco Forcallà | <i>Arcos</i> | A | Beneixama | Alicante |
| S2: Arcos | <i>Arcos</i> | A | Villena | Alicante |
| S3: Bobal 1 | Bobal | A | Beneixama | Alicante |
| S4: Bobal 2 | Bobal | A | San Antonio | Valencia |
| S5: Botó de Gall 1 | Ahmeur bou Ahmeur | C | Banyeres | Alicante |
| S6: Botó de Gall 2 | Ahmeur bou Ahmeur | C | Banyeres | Alicante |
| S7: Botó de Gall 3 | Ahmeur bou Ahmeur | C | Beniarres | Alicante |
| S8: Botó de Gall 4 | Ahmeur bou Ahmeur | C | Penàguila | Alicante |
| S9: Camera 1 | Marufo | D | Ademuz | Valencia |
| S10: Camera 2 | Marufo | D | Ademuz | Valencia |
| S11: Crujidera | Marufo | D | Requena | Valencia |
| S12: Dominga | Dominga | B | Pobla del Duc | Valencia |
| S13: Farana | Farana/Planta Fina | A | Montaverner | Valencia |
| S14: Forcallat | <i>Arcos</i> | A | Banyeres | Alicante |
| S15: Grumer Moscatell1 | Muscat d'Istanbul | A | Albaida | Valencia |
| S16: Grumer Moscatell 2 | Muscat d'Istanbul | A | Xaló | Alicante |
| S17: Grumer Moscatell 3 | Muscat d'Istanbul | A | Agullent | Valencia |
| S18: Grumer Moscatell 4 | Muscat d'Istanbul | A | Albaida | Valencia |
| S19: Macabeo Negro | <i>Macabeo negro</i> | D | Pinoso | Alicante |
| S20: Malvasía 1 | Alarije | A | Aielo de Malferit | Valencia |
| S21: Malvasía 2 | Xarel·lo | A | Alicante | Alicante |
| S22: Malvasía 3 | NI-1 | D | Guadasequies | Alicante |
| S23: Malvasía 4 | Alarije | A | Villena | Alicante |
| S24: Malvasía 5 | NI-2 | A | Agullent | Valencia |
| S25: Mamella de Vaca | Cornichon blanc | A | Ontinyent | Valencia |
| S26: Mamella de Vaca | <i>Mamella de Vaca</i> | D | Calp | Alicante |
| S27: Marisancho | Pardillo/Marisancho | A | Fontanars | Valencia |
| S28: Monastrell 1 | Monastrell | A | Banyeres | Alicante |
| S29: Monastrell 2 | Monastrell | A | Beneixama | Alicante |
| S30: Monastrell 3 | Morastell/Graciano | A | Beneixama | Alicante |
| S31: Monastrell_Morastell | Monastrell | A | Banyeres | Alicante |
| S32: Mondragón | Mondragón | D | Azuébar | Castellón |
| S33: Montalbana | <i>Montalbana</i> | D | Monovar | Valencia |
| S34: Morastell 1 | Monastrell | A | Matola | Alicante |
| S35: Morastell 2 | Monastrell | A | Matola | Alicante |
| S36: Morenillo | Morenillo | A | Siete Aguas | Valencia |
| S37: Morsí 1 | Sbaa Tolba | C | Monforte del Cid | Alicante |
| S38: Morsí 2 | Sbaa Tolba | C | Monforte del Cid | Alicante |
| S39: Moscatel Alicante | Muscat d'Istanbul | A | Alicante | Alicante |
| S40: Moscatel Bétera 1 | Muscat of Alexandria | B | Bétera | Valencia |
| S41: Moscatel Bétera 2 | Muscat of Alexandria | B | Bétera | Valencia |
| S42: Moscatel dulce | Muscat d'Istanbul | A | Banyeres | Alicante |
| S43: Moscatell del terreno | Muscat d'Istanbul | A | Beniarres | Alicante |
| S44: Moscatell Italia | Afuz Ali/Rosetti | A | matola | Alicante |
| S45: Parrell 1 | Monastrell | A | Alicante | Alicante |
| S46: Parrell 2 | Monastrell | A | La Mata | Alicante |
| S47: Planta Fina | Planta Fina | A | Pedralba | Valencia |
| S48: Planta Mula 1 | Planta Mula | D | Matola | Alicante |
| S49: Planta Mula 2 | Planta Mula | D | Matola | Alicante |
| S50: Planta Negra | Marufo/Crujidera | D | Banyeres | Alicante |

Tab. S2, continued

| Cultivar name ¹⁾ | Identification ²⁾ Prime name ³⁾ | Chlorotype ⁴⁾ | Origin | Province |
|-----------------------------|--|--------------------------|-------------------------|-----------|
| S51: Planta Nova 1 | Planta Nova | B | Alfarrasí | Valencia |
| S52: Planta Nova 2 | Planta Nova | B | La Marina | Alicante |
| S53: Raïm del Clotet | <i>Raïm del Clotet</i> | C | Petrer | Valencia |
| S54: Raïm del Clotet | <i>Raïm del Clotet</i> | C | Relleu | Alicante |
| S55: Rojal | Rojal tinta | D | Banyeres | Alicante |
| S56: Royal | Rojal tinta | D | Requena | Valencia |
| S57: Tortosi 1 | Bobal | A | Beneixama | Alicante |
| S58: Tortosi 2 | Tortosina | D | Beneixama | Alicante |
| S59: Tortosi 3 | Macabeo | A | Beniatjar | Valencia |
| S60: Trepadell | <i>Trepadell</i> | A | Font de la Figuera | Valencia |
| S61: Valenci blanc 1 | Valenci blanc | A | Alicante | Alicante |
| S62: Valenci blanc 2 | Valenci blanc | A | Alicante | Alicante |
| S63: Valenci blanc 3 | Valenci blanc | A | Banyeres | Alicante |
| S64: Valenci blanc 4 | Valenci blanc | A | Penàguila | Alicante |
| S65: Valenci blanc 5 | Valenci blanc | A | Beniarres | Alicante |
| S66: Valenci negre 1 | Valenci Tinto/Valenci negre | D | Beneixama_2 | Alicante |
| S67: Valenci negre 2 | Valenci Tinto /Valenci negre | D | Beneixama_2 | Alicante |
| S68: Valenci negre 3 | Planta Mula | D | Matola | Alicante |
| S69: Valenci negre 4 | Valenci Tinto/Valenci negre | D | Villena | Alicante |
| S70: Verdil | Verdil | A | Banyeres | Alicante |
| S71: Ull de llebre blanc | Pardillo/Marisancho | A | Alicante | Alicante |
| S72: Ullet de Perdiu | Garnacha | A | Fontanars | Valencia |
| S73: U1 | Alarije | A | Villena | Alicante |
| S74: U2 | Alcañon | A | Villena | Alicante |
| S75: U3 | Valenci Tinto/Valenci negre | D | Villena | Alicante |
| S76: U4 | Monastrell | A | Villena | Alicante |
| S77: U5 | Monastrell | A | Villena | Alicante |
| S78: U6 | Valenci blanc | A | Penàguila | Alicante |
| S79: U7 | Alicante Henry Bouchet | A | Alicante | Alicante |
| S80: U8 | Valenci blanc | A | Penàguila | Alicante |
| S81: U9 | Valenci blanc | A | Penàguila | Alicante |
| S82: U10 | Afuz Ali/Rosetti | A | Penàguila | Alicante |
| S83: U11 | Forcallat tinta | A | Alicante | Alicante |
| S84: U12 | Alfonse Lavallée | B | Beniarres | Alicante |
| S85: U13 | Cardinal | B | Beniarres | Alicante |
| S86: U14 | Merseguera | A | Villena | Alicante |
| S87: U15 | Carignan | A | Beneixama | Alicante |
| S88: U16 | Muscat of Alexandria | B | Benicassim | Castellón |
| S89: U17 | Valenci blanc | A | Xert | Castellón |
| S90: U18 | Macabeo | A | Xert | Castellón |
| S91: U19 | Planta Nova | B | Xert | Castellón |
| S92: U20 | Afuz Ali/Rosetti | A | Xert | Castellón |
| S93: U21 | Mamella de Vaca | D | Xert | Castellón |
| S94: U22 | Mamella de Vaca | D | Xert | Castellón |
| S95: U23 | Valenci blanc | A | Xert | Castellón |
| S96: U24 | Muscat of Hamburg | C | Xert | Castellón |
| S97: U25 | NI-3 | B | Cabanes | Castellón |
| S98: U26 | Macabeo/Viura | A | Benlloch | Castellón |
| S99: U27 | Marufo/Crujidera | D | Ademuz | Valencia |
| S100: U28 | Ahmeur bou Ahmeur | C | Vallada | Valencia |
| S101: U29 | Bobal | A | Requena | Valencia |
| S102: U30 | Planta Fina | A | Montaverner | Valencia |
| S103: U31 | Bobal | A | Fontanars dels Alforins | Valencia |

Tab. S2, continued

| Cultivar name ¹⁾ | Identification ²⁾ Prime name ³⁾ | Chlorotype ⁴⁾ | Origin | Province |
|---------------------------------|--|--------------------------|-------------------------------|----------------------------|
| S104: U32 | Planta Fina | A | Bèlgida | Valencia |
| S105: U33 | Garnacha | A | Bèlgida | Valencia |
| S106: U34 | Ahmeur bou Ahmeur | C | Bèlgida | Valencia |
| S107: U35 | Planta Fina | A | Bèlgida | Valencia |
| S108: U36 | Planta Fina | A | Vilamarxant | Valencia |
| S109: U37 | Valenci negre | D | Alzira | Valencia |
| S110: U38 | Dominga | B | Andilla | Valencia |
| S111: U39 | Dominga | B | Andilla | Valencia |
| S112: U40 | Valenci blanc | A | Andilla | Valencia |
| S113: U41 | Marufo/Crujidera | D | Bicorp | Valencia |
| S114: U42 | Verdil | A | Banyeres | Valencia |
| S115: U43 | Italia | C | Alicante | Alicante |
| Included in our analysis | | | | |
| Beldi de Tunis 1900 Mtp 16 | Planta Fina | A | Domaine de Vassal | Montpellier |
| Benicarló 30 Mtp 4 | Benicarló | A | Domaine de Vassal | Montpellier |
| Bobal | Bobal | A | Own collection_UPV | Valencia |
| Esclafagerres | Esclafagerres | A | Own collection_UPV | Valencia |
| Monastrell | Monastrell | A | Own collection_UPV | Valencia |
| Moscatel de Alejandria E110 | Muscat of Alexandria | B | Own collection_UPV | Valencia |
| Gateta 22-O-56 | Gateta | D | Colección de Vides 'El Encín' | Alcalá de Henares (Madrid) |
| Pampolat-22-O-53 | Pampolat | A | Colección de Vides 'El Encín' | Alcalá de Henares (Madrid) |

¹⁾ Number of surveyed accession and cultivar name given by grower.

²⁾ The SSRs profiles were compared with those in *ITVC* (2018) and the European *Vitis* database (2018) in order to confirm the varieties or identify the surveyed germplasm.

³⁾ We used the prime name of these databases followed by the synonym more commonly used in the area where accessions were surveyed.

⁴⁾ Chlorotypes were described in *ITVC* with the exception of those in bold which were reported firstly in this work. Prime names in italics are used for those genotypes which cultivar name does not correspond to another variety and therefore could correspond to these old varieties (ampelographic studies will be carried on).

Table S3

Microsatellite profiles

| | VVMD27 | VVMD5 | VVS2 | VrZAG79 | VrZAG62 | VVMD7 | VrZAG64 | VrZAG83 |
|------------------------|--------|-------|------|---------|---------|-------|---------|---------|
| Alarije | 183 | 231 | 145 | 250 | 187 | 237 | 134 | 193 |
| Alcañon | 179 | 231 | 133 | 250 | 187 | 237 | 134 | 193 |
| Alfonse Lavallée | 183 | 223 | 133 | 239 | 187 | 247 | 157 | 197 |
| Alicante Henry Bouchet | 179 | 223 | 133 | 242 | 189 | 237 | 134 | 191 |
| Arcos | 177 | 223 | 133 | 256 | 189 | 241 | 140 | 191 |
| Bobal | 179 | 225 | 147 | 242 | 189 | 237 | 140 | 197 |
| Botó de Gall | 181 | 229 | 135 | 246 | 193 | 237 | 136 | 197 |
| Cardinal | 177 | 223 | 135 | 250 | 187 | 247 | 157 | 191 |
| Carignan | 179 | 223 | 145 | 250 | 187 | 237 | 138 | 197 |
| Cornichon Blanco | 177 | 233 | 147 | 250 | 197 | 245 | 138 | 191 |
| Crujidera (Marufo) | 181 | 225 | 145 | 246 | 189 | 241 | 136 | 191 |
| Dominga | 183 | 243 | 137 | 250 | 189 | 247 | 136 | 191 |
| Forcallat Tinta | 177 | 219 | 133 | 246 | 189 | 237 | 134 | 193 |
| Gruener Moscatell | 177 | 225 | 133 | 242 | 187 | 249 | 136 | 191 |
| Italia | 177 | 229 | 133 | 254 | 193 | 241 | 155 | 191 |
| Macabeo (Viura) | 187 | 231 | 133 | 242 | 189 | 237 | 140 | 193 |
| Macabeo Negro | 181 | 223 | 145 | 246 | 189 | 247 | 136 | 191 |
| Mamella de Vaca | 181 | 223 | 145 | 248 | 195 | 247 | 134 | 197 |
| Mari Sancho (Pardillo) | 183 | 237 | 147 | 250 | 187 | 247 | 140 | 197 |
| Merseguera | 183 | 237 | 143 | 246 | 187 | 237 | 140 | 193 |
| Monastrell | 177 | 223 | 133 | 250 | 189 | 247 | 157 | 193 |
| Mondragón | 181 | 223 | 133 | 246 | 189 | 247 | 136 | 191 |
| Montalbana | 177 | 223 | 133 | 246 | 193 | 241 | 140 | 191 |
| Morrastel (Graciano) | 177 | 223 | 139 | 250 | 187 | 237 | 140 | 193 |
| Morenillo | 177 | 219 | 133 | 250 | 187 | 247 | 136 | 197 |
| Morsi | 183 | 233 | 153 | 236 | 189 | 237 | 134 | 197 |
| Moscat d'Hamburg | 177 | 229 | 135 | 239 | 187 | 245 | 136 | 191 |
| Muscat d'Alexandria | 177 | 225 | 133 | 246 | 187 | 249 | 136 | 191 |
| NI-1 | 179 | 219 | 137 | 246 | 187 | 247 | 136 | 191 |
| NI-2 | 179 | 219 | 137 | 246 | 187 | 247 | 136 | 191 |
| NI-3 | 181 | 225 | 145 | 246 | 197 | 237 | 138 | 191 |
| Planta Fina | 177 | 225 | 145 | 250 | 187 | 237 | 140 | 197 |
| Planta Mula | 179 | 233 | 133 | 246 | 189 | 241 | 140 | 197 |
| Planta Nova-1 | 177 | 223 | 137 | 246 | 189 | 237 | 136 | 191 |
| Planta Nova-2 | 177 | 223 | 137 | 246 | 189 | 237 | 136 | 191 |
| Ram del Clotet | 181 | 229 | 139 | 246 | 189 | 241 | 157 | 191 |
| REF_Benicarlo | 177 | 223 | 133 | 246 | 189 | 241 | 134 | 193 |

Tab. S3, continued

| | VVMD27 | VVMD5 | VVS2 | VrZAG79 | VrZAG62 | VVMD7 | VrZAG64 | VrZAG83 | | | | | | | | |
|----------------------------|--------|--------|--------|---------|---------|-------|---------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| REF_Bobal | 179 | 187 | 225 | 231 | 147 | 149 | 242 | 246 | 189 | 189 | 237 | 241 | 140 | 157 | 197 | 197 |
| REF_Esclafaxerre | 187 | 191 | 233 | 237 | 147 | 153 | 242 | 246 | 197 | 197 | 237 | 247 | 134 | 136 | 193 | 197 |
| REF_Galeta | 179 | 181 | 237 | 237 | 147 | 153 | 246 | 246 | 189 | 189 | 237 | 247 | 134 | 140 | 191 | 191 |
| REF_Monastrell | 177 | 187 | 223 | 237 | 133 | 153 | 250 | 260 | 189 | 205 | 247 | 247 | 157 | 157 | 193 | 203 |
| REF_Moscatel E-110 | 177 | 191 | 225 | 229 | 133 | 151 | 246 | 254 | 187 | 205 | 247 | 249 | 136 | 138 | 191 | 191 |
| REF_Pampolat | 179 | 181 | 223 | 231 | 145 | 153 | 246 | 258 | 187 | 189 | 237 | 237 | 134 | 140 | 193 | 203 |
| REF_PlantaFina | 177 | 191 | 225 | 237 | 145 | 147 | 250 | 256 | 187 | 189 | 237 | 241 | 140 | 140 | 197 | 197 |
| Royal Tinta | 183 | 191 | 225 | 231 | 137 | 147 | 246 | 256 | 189 | 189 | 237 | 241 | 134 | 140 | 193 | 197 |
| Rosetti-1 | 183 | 183 | 223 | 229 | 133 | 135 | 242 | 250 | 187 | 187 | 237 | 247 | 134 | 136 | 191 | 197 |
| Rosetti-2 | 183 | 183 | 223 | 229 | 133 | 135 | 242 | 250 | 185 | 187 | 237 | 247 | 134 | 136 | 191 | 197 |
| Tortosina | 179 | 187 | 225 | 237 | 133 | 145 | 242 | 256 | 189 | 197 | 237 | 241 | 134 | 140 | 191 | 197 |
| Trepadell | 177 | 191 | 233 | 237 | 145 | 147 | 250 | 256 | 187 | 187 | 237 | 237 | 134 | 140 | 197 | 203 |
| Ullet de Perdiu (Garnacha) | 191 | 191 | 223 | 237 | 139 | 147 | 256 | 256 | 189 | 189 | 237 | 241 | 134 | 140 | 191 | 193 |
| Valenci Blanc-1 | 179 | 187 | 233 | 237 | 135 | 145 | 242 | 246 | 189 | 205 | 241 | 247 | 134 | 157 | 197 | 197 |
| Valenci Blanc-2 | 179 | 187 | 233 | 237 | 135 | 145 | 242 | 246 | 189 | 205 | 241 | 247 | 134 | 157 | 197 | 197 |
| Valenci Blanc-3 | 179 | 187 | 233 | 237 | 135 | 145 | 242 | 246 | 189 | 205 | 241 | 247 | 134 | 157 | 197 | 205 |
| Valenci Negre | 179 | 187 | 225 | 233 | 137 | 145 | 242 | 246 | 189 | 197 | 237 | 241 | 134 | 157 | 197 | 197 |
| Verdii-1 | 177 | 191 | 225 | 231 | 133 | 147 | 248 | 256 | 187 | 189 | 237 | 237 | 134 | 134 | 197 | 197 |
| Verdii-2 | 177 | 191 | 225 | 231 | 133 | 147 | 248 | 256 | 187 | 187 | 237 | 237 | 134 | 134 | 197 | 197 |
| Xarello | 179 | 187 | 233 | 237 | 133 | 145 | 242 | 246 | 187 | 189 | 237 | 241 | 140 | 157 | 197 | 197 |
| | VVMD24 | VVMD32 | VVMD25 | VMC1b1 | VVMD28 | VVMD6 | VVMD21 | | | | | | | | | |
| Alarije | 208 | 215 | 254 | 270 | 241 | 255 | 188 | 233 | 256 | 208 | 208 | 242 | 248 | | | |
| Alcañon | 206 | 208 | 238 | 270 | 241 | 255 | 173 | 188 | 233 | 242 | 208 | 248 | 248 | | | |
| Alfonse Lavallée | 206 | 210 | 250 | 270 | 239 | 255 | 167 | 175 | 242 | 242 | 191 | 210 | 248 | 248 | | |
| Alicante Henry Bouchet | 206 | 208 | 248 | 270 | 241 | 241 | 183 | 188 | 242 | 260 | 208 | 208 | 242 | 242 | | |
| Arcos | 208 | 215 | 254 | 260 | 241 | 241 | 188 | 188 | 233 | 256 | 208 | 208 | 242 | 248 | | |
| Bobal | 206 | 208 | 248 | 270 | 241 | 267 | 185 | 188 | 233 | 258 | 191 | 191 | 242 | 242 | | |
| Botó de Gall | 206 | 206 | 250 | 254 | 255 | 267 | 185 | 185 | 246 | 252 | 191 | 210 | 248 | 255 | | |
| Cardinal | 206 | 206 | 250 | 270 | 255 | 255 | 175 | 185 | 242 | 266 | 208 | 210 | 248 | 265 | | |
| Carignan | 206 | 212 | 248 | 250 | 241 | 241 | 175 | 185 | 246 | 256 | 191 | 208 | 255 | 255 | | |
| Cornichon Blanco | 206 | 210 | 256 | 260 | 239 | 249 | 167 | 185 | 242 | 256 | 191 | 210 | 248 | 265 | | |
| Crujidera (Marufo) | 206 | 208 | 238 | 250 | 241 | 255 | 185 | 188 | 242 | 252 | 191 | 208 | 242 | 248 | | |
| Dominga | 206 | 210 | 270 | 270 | 249 | 255 | 167 | 173 | 233 | 242 | 191 | 210 | 248 | 248 | | |
| Forcallat Tinta | 208 | 215 | 238 | 254 | 241 | 255 | 185 | 188 | 227 | 256 | 208 | 210 | 242 | 242 | | |
| Gruener Moscatell | 208 | 210 | 254 | 270 | 249 | 255 | 185 | 188 | 242 | 256 | 210 | 210 | 255 | 265 | | |
| Italia | 206 | 210 | 250 | 270 | 239 | 249 | 173 | 185 | 233 | 242 | 208 | 210 | 248 | 255 | | |
| Macabeo (Viura) | 206 | 208 | 248 | 254 | 239 | 241 | 185 | 185 | 235 | 256 | 208 | 208 | 242 | 252 | | |
| Macabeo Negro | 206 | 208 | 238 | 238 | 255 | 263 | 173 | 188 | 242 | 256 | 191 | 208 | 248 | 248 | | |

Tab. S3, continued

| | VVMD24 | VVMD32 | VVMD25 | VMC1b1 | VVMD28 | VVMD6 | VVMD21 | | | | | | | |
|--------------------------|--------|--------|--------|--------|--------|-------|--------|-----|-----|-----|-----|-----|-----|-----|
| Mamella de Vaca | 206 | 210 | 254 | 270 | 255 | 255 | 167 | 185 | 242 | 252 | 201 | 210 | 255 | 255 |
| Mari Sancho (Pardillo) | 210 | 212 | 250 | 270 | 241 | 249 | 185 | 188 | 233 | 256 | 208 | 208 | 242 | 252 |
| Merseguera | 208 | 212 | 254 | 270 | 241 | 255 | 185 | 188 | 233 | 256 | 208 | 208 | 248 | 248 |
| Monastrell | 206 | 215 | 238 | 254 | 241 | 263 | 173 | 188 | 242 | 256 | 208 | 210 | 242 | 248 |
| Mondragón | 206 | 208 | 238 | 250 | 241 | 255 | 185 | 188 | 242 | 242 | 208 | 210 | 248 | 248 |
| Montalbana | 208 | 215 | 238 | 238 | 241 | 241 | 188 | 188 | 252 | 256 | 191 | 208 | 242 | 242 |
| Morrastel (Graciano) | 206 | 206 | 238 | 254 | 263 | 269 | 173 | 185 | 242 | 256 | 208 | 210 | 248 | 252 |
| Morenillo | 206 | 212 | 238 | 250 | 241 | 255 | 167 | 188 | 256 | 256 | 208 | 210 | 248 | 252 |
| Morsi | 206 | 215 | 250 | 270 | 241 | 255 | 185 | 185 | 256 | 258 | 210 | 210 | 248 | 248 |
| Moscat d'Hamburg | 210 | 210 | 270 | 270 | 249 | 255 | 167 | 173 | 235 | 242 | 208 | 210 | 248 | 255 |
| Muscat d'Alexandria | 210 | 210 | 262 | 270 | 249 | 249 | 167 | 185 | 242 | 266 | 191 | 210 | 255 | 265 |
| NI-1 | 206 | 208 | 238 | 250 | 255 | 263 | 171 | 188 | 227 | 246 | 201 | 210 | 248 | 248 |
| NI-2 | 206 | 208 | 238 | 250 | 255 | 263 | 171 | 188 | 227 | 246 | 201 | 210 | 248 | 255 |
| NI-3 | 206 | 212 | 248 | 250 | 241 | 255 | 173 | 185 | 256 | 256 | 191 | 208 | 248 | 255 |
| Planta Fina | 208 | 215 | 248 | 270 | 241 | 255 | 185 | 185 | 246 | 256 | 208 | 208 | 248 | 252 |
| Planta Mula | 206 | 210 | 254 | 270 | 241 | 241 | 169 | 188 | 242 | 252 | 208 | 210 | 255 | 255 |
| Planta Nova-1 | 204 | 208 | 248 | 270 | 249 | 255 | 167 | 188 | 235 | 242 | 208 | 208 | 255 | 255 |
| Planta Nova-2 | 204 | 208 | 248 | 270 | 249 | 255 | 167 | 188 | 235 | 242 | 208 | 208 | 248 | 255 |
| Raim del Clotet | 206 | 206 | 250 | 260 | 255 | 255 | 188 | 188 | 244 | 258 | 208 | 210 | 242 | 248 |
| REF_Benicarló | 206 | 206 | 238 | 254 | 241 | 241 | 167 | 188 | 233 | 256 | 208 | 210 | 248 | 248 |
| REF_Bobal | 206 | 208 | 248 | 270 | 241 | 267 | 185 | 188 | 233 | 258 | 191 | 191 | 242 | 242 |
| REF_Esclafagerres | 206 | 208 | 254 | 270 | 241 | 255 | 171 | 188 | 233 | 246 | 208 | 210 | 248 | 248 |
| REF_Gateta | 206 | 206 | 238 | 250 | 241 | 255 | 175 | 188 | 242 | 256 | 208 | 210 | 248 | 248 |
| REF_Monastrell | 206 | 215 | 238 | 254 | 241 | 263 | 173 | 188 | 242 | 256 | 208 | 210 | 242 | 248 |
| REF_Moscatel E-110 | 210 | 210 | 262 | 270 | 249 | 249 | 167 | 185 | 242 | 266 | 191 | 210 | 255 | 265 |
| REF_Pampolat | 206 | 206 | 238 | 254 | 255 | 263 | 173 | 185 | 242 | 256 | 208 | 210 | 248 | 248 |
| REF_PlantaFina | 208 | 215 | 248 | 270 | 241 | 255 | 185 | 185 | 246 | 256 | 208 | 208 | 248 | 252 |
| Rojal Tinta | 206 | 208 | 248 | 270 | 241 | 255 | 185 | 188 | 235 | 242 | 208 | 208 | 248 | 255 |
| Rosetti-1 | 206 | 206 | 256 | 270 | 249 | 255 | 185 | 185 | 233 | 256 | 208 | 208 | 255 | 255 |
| Rosetti-2 | 206 | 206 | 256 | 270 | 249 | 255 | 185 | 185 | 233 | 256 | 208 | 208 | 255 | 255 |
| Tortosina | 206 | 208 | 238 | 270 | 241 | 255 | 185 | 188 | 235 | 242 | 208 | 210 | 248 | 248 |
| Trepadell | 208 | 215 | 248 | 270 | 241 | 255 | 185 | 188 | 235 | 256 | 208 | 208 | 248 | 252 |
| Ull de Perdiu (Garnacha) | 208 | 215 | 238 | 248 | 241 | 255 | 188 | 194 | 242 | 242 | 208 | 208 | 242 | 248 |
| Valenci Blanc-1 | 206 | 208 | 254 | 254 | 255 | 255 | 185 | 188 | 242 | 256 | 208 | 210 | 248 | 255 |
| Valenci Blanc-2 | 206 | 208 | 254 | 270 | 255 | 255 | 185 | 188 | 242 | 256 | 208 | 210 | 248 | 255 |
| Valenci Blanc-3 | 206 | 208 | 254 | 270 | 255 | 255 | 185 | 188 | 242 | 256 | 208 | 210 | 248 | 255 |
| Valenci Negre | 206 | 208 | 238 | 254 | 255 | 255 | 185 | 188 | 242 | 256 | 208 | 210 | 248 | 248 |
| Verdil-1 | 206 | 208 | 260 | 270 | 239 | 241 | 175 | 188 | 235 | 256 | 208 | 208 | 242 | 248 |
| Verdil-2 | 206 | 208 | 260 | 270 | 239 | 241 | 175 | 188 | 235 | 256 | 208 | 208 | 242 | 248 |
| Xarello | 206 | 206 | 248 | 254 | 239 | 255 | 185 | 185 | 235 | 256 | 208 | 208 | 248 | 252 |