**S8 Table.** Cases of homonyms found in the identification process in Marrakech and Cordoba collections.

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| **Cultivar (Origin)** | **Homonym** |
| Abbadi Shalal12, Abbadi Abou Gabra-8421, Abbadi Abou Gabra-10331 (Bent al Kadi)a, Abbadi Abou Gabra-6102, Abbadi Helo2 | Abbadi |
| Abou Choki-11151, Abou Choki-11261, Abou Kanani1, Abou Monkar2, Abou Akfa2 (Abbadi)a, Abou Anaked2, Abou Shawka Tadmori2 (Abbadi)a | Abou |
| Aggezi Akse2, Aggezi Oshime2 and Aggezi Shami2 | Aggezi |
| Aghchren de Titest2 (Atounsi Setif) a and Aghchren d'el Ousseur2 (Azeradj Tamokra)a | Aghchren |
| Alameño Blanco12, Alameño de Cabra1, Alameño de Marchena12 (Picholine Marocaine)a, Alameño de Montilla12 | Alameño |
| Azeradj2 and Azeradj Tamokra2 | Azeradj |
| Berri Meslal-3972 and Berri Meslal-5322 | Berri Meslal |
| Bouchouk Laghlid and Rkik2(Ocal)a, Bouchouk Lafayette2, Bouchouk Soummam2 (Azeradj)a | Bouchouk |
| Cañivano Negro12 and Cañivano Blanco1 (PicholineMarocaine)a | Cañivano |
| Carrasqueño de Elvas12, Carrasqueño de Alcaudete1, Carrasqueño de Jumilla12, Carrasqueño de la Sierra1 and Carrasqueño de Porcuna1 | Carrasqueño |
| Cordovil de Castelo Branço1 and Cordovil de Serpa12 | Cordovil |
| Cornicabra Murciana1 (Callosina)a, Cornicabra12, Cornicabra de Jerez Caballeros1 and Cornicabra de Mérida1 | Cornicabra |
| Corsicana da mensa2 (Itrana)a and Corsicana da olio2 (Frantoio)a | Corsicana |
| Crnica1 and Crnica-3992 | Crnica |
| Djlot Shami2 (Jlot)a and Djlot Tadmori2 | Djlot |
| Dolce1, Dolce Agogia1 and Dolce di Rossano2 | Dolce |
| Dulzal12 and Dulzal de Carmona1 | Dulzal |
| Escarabajuelo de Atarfe1, Escarabajuelo de Posadas12 and Escarabajuelo de Úbeda12 | Escarabajuelo |
| Gordal de Granada1, Gordal de Hellín1, Gordal de Vélez Rubio1, Gordal Sevillana12 and Gordal de Archidona1 (Ocal)a | Gordal |
| Gremignolo di Bolgheri2 (Cirujal)a and Gremignolo2 (Leccino)a | Gremignolo |
| Grosal de Cieza1 and Grosal Vimbodí1 | Grosal |
| Habichuelero de Baena1 and Habichuelero de Grazalema12 | Habichuelero |
| Jlot1 and Jlot-8411 | Jlot |
| Lazzero2 and Lazzero di prata2 | Lazzero |
| Leccio del Corno12 (Grappolo) and Leccio Maremmano2 | Leccio |
| Lechín de Granada12 and Lechín de Sevilla12 | Lechín |
| Lentisca1, Lentisca-2442 and Lentisca-2062 | Lentisca |
| Llorón de Atarfe12, Llorón de Iznalloz12 (Verdial de Badajoza)a and Llorón de Ronda12 (Morona)a | Llorón |
| Mahati-8461, Mahati-10101 and Mahati-6152 | Mahati |
| Majhol-1521, Majhol-10591, Majhol-10631 and Majhol-11221 | Majhol |
| Manzanilla de Jaén1 (Gordal de Granada)a, Manzanilla Cacereña12, Manzanilla de Abla12, Manzanilla de Agua12, Manzanilla de Almería1, Manzanilla de Hellín12, Manzanilla de Montefrío12, Manzanilla de Sevilla12, Manzanilla del Piquito1, Manzanilla del Centro12 (Gordal de Granada)a, Manzanilla Picua1 (Menya)a, Manzanilla de San Vicente1, Manzanilla Prieta1 | Manzanilla |
| Mignolo1 and Mignolo Cerretano1 | Mignolo |
| Mission Moojeski1 and Mission Nieland1 (Picholine Marocaine)a | Mission |
| Mollar Basto1 and Mollar de Cieza12 | Mollar |
| Morisca12 and Morisca de Mancor1 | Morisca |
| Neb Jmel-2832 and Neb Jmel-4522 | Neb Jmel |
| Negrillo de Arjona12, Negrillo de Estepa12, Negrillo de Iznalloz12, Negrillo de la Carlota1 and Negrillo Redondo12 | Negrillo |
| Nera di Oliena2 (Itrana)a and Nera di Gonnos2 (Confetto)a | Nera |
| Nerba2 and Nerba Catanese2 (Moresca) a | Nerba |
| Nevadillo de Santisteban Pto1 and Nevadillo Blanco de Jaén1 | Nevadillo |
| Nevado Azul12, Nevado Basto1 and Nevado Rizado12  | Nevado |
| Nocellara del Belice2 and Nocellara Etnea2 | Nocellara |
| Ogliarola del Bradano2 and Ogliarola del Vulture2 | Ogliarola |
| Olivastra di Populonia2 and Olivastra di Montalcino2 | Olivastra |
| Olivo Macho de Santisteban Pto12 (Picual)a, Olivo de Mancha real12, Olivo de Maura1, Olivo del Mulino2, Olivo di Casavecchia2, Olivo di Mandanici2, Olivo di San Lorenzo2, Olivo di Castiglione2 (Moresca)a | Olivo |
| Pico Limón12 and Pico Limón de Grazalema12 | Pico Limón |
| Picual12 and Picual de Almería1 | Picual |
| Picudo12, Picudo Blanco de Estepa1, Picudo de Montoro1 (Varudo)a | Picudo |
| Redondilla de Grazalema1 and Redondilla de Logroño1 | Redondilla |
| Ronde de la Ménara2 and Ronde de Miliana2 | Ronde |
| Rossellino2 and Rossellino Cerretano2 | Rossellino |
| Royal de Calatayud12, Royal de Cazorla12, Royal de Sabiñan1 and Royal de Villena1 (Alfafara)a | Royal |
| Samo2 and Samo Nova Vas2 (Lumbardeska)a  | Samo |
| Shami2 and Shami Modabl2 (Jlot)a | Shami |
| Sivigliana da Olio2 and Sivigliana da Mensa2 (Confetto)a | Sivigliana |
| Toffahi1, Toffahi-10001, Toffahi-4862 and Toffahi-6212 | Toffahi |
| Tonda di Villacidro2 (Itrana)a, Tonda Iblea2, Tonda Di Cagliari2 (Confetto)a | Tonda |
| Ulliri i Bardhe Berat1 (Mixani)a, Ullirii BardheiTiranes1 and Ullirii Kuq1 | Ulliri |
| Verdal de Alhama12 (Ocal)a and Verdal de Manresa1 | Verdal |
| Verdial de Badajoz1, Verdial de Huévar1, Verdial de Cádiz1 and Verdial de Vélez-Málaga1 and Verdial transmontana2 | Verdial |
| **Total (179)** | **Total (60)** |

1Cultivars observed in WOGBC, 2 Cultivars observed in WOGBM, aBetween brackets represents synonymous identified after identification process using both SSR markers and morphological traits.