

## SUPPLEMENTARY MATERIAL

## List of genotypes analysed

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Genotype/region/site	Genotype name
Cultivar/Umbria	Agello 106
Cultivar/Umbria	Agello 108
Cultivar/Umbria	Agello 109
Cultivar/Umbria	Agello 111
Cultivar/Umbria	Agello 112
Cultivar/Umbria	Agello Case Sparse 152
Cultivar/Umbria	Agello Case Sparse 153
Cultivar/Umbria	Agello Case Sparse 154
Cultivar/Umbria	Agogia Grande
Cultivar/Umbria	Agogia Piccola
Cultivar/Umbria	Assisi U1
Cultivar/Umbria	Assisi U3
Cultivar/Umbria	Assisi U8
Cultivar/Umbria	Bianchella di Umbertide
Cultivar/Umbria	Bianchella Zocco
Cultivar/Umbria	Borgiona
Cultivar/Umbria	Caste Poreta 2
Cultivar/Umbria	Castello poreta 1

Cultivar/Umbria	Castello Poreta 4
Cultivar/Umbria	Castello Poreta 5
Cultivar/Umbria	Castello Poreta 6
Cultivar/Umbria	Cimignolo
Cultivar/Umbria	Comignolo Giallo
Cultivar/Umbria	Corciano 150
Cultivar/Umbria	Corniolo
Cultivar/Umbria	Coroncina Umbra
Cultivar/Umbria	Correggiolo dei Monti Martani
Cultivar/Umbria	Dolce Agogia
Cultivar/Umbria	Dura Zocco
Cultivar/Umbria	Frantoio
Cultivar/Umbria	Gentile di Anghiari
Cultivar/Umbria	Gentile di Montone
Cultivar/Umbria	Gnagolo
Cultivar/Umbria	Grappolo SC U7
Cultivar/Umbria	Ieri Costacciaro
Cultivar/Umbria	Ignota San Mariano
Cultivar/Umbria	Isola Polvere 158
Cultivar/Umbria	Isola polvere 159
Cultivar/Umbria	Isola Polvere 160
Cultivar/Umbria	Isola Polvere 161

Cultivar/Umbria	Isola Polvere 164
Cultivar/Umbria	Leccino
Cultivar/Umbria	Limona
Cultivar/Umbria	Limona di Resina
Cultivar/Umbria	Lunga Santa Chiara
Cultivar/Umbria	Lunga Zocco 2
Cultivar/Umbria	Marchigiana
Cultivar/Umbria	Maremmana
Cultivar/Umbria	Massa Martana 165
Cultivar/Umbria	Monte Colognola
Cultivar/Umbria	Monte Lago
Cultivar/Umbria	Montefalco 119
Cultivar/Umbria	Montefalco 120
Cultivar/Umbria	Montefalco 121
Cultivar/Umbria	Moraiolo
Cultivar/Umbria	Morcona 79
Cultivar/Umbria	Nebbia
Cultivar/Umbria	Nogna 131
Cultivar/Umbria	Nostrale di Rigali
Cultivar/Umbria	Olivo del Carmine 138
Cultivar/Umbria	Paciano 157
Cultivar/Umbria	Panicate 155

Cultivar/Umbria	Pendolino Rocca Minore U6
Cultivar/Umbria	Peperella
Cultivar/Umbria	Pocciolo
Cultivar/Umbria	Pocciolo Frutto Piccolo A
Cultivar/Umbria	Pocciolo Frutto Piccolo B
Cultivar/Umbria	Raia
Cultivar/Umbria	Raio
Cultivar/Umbria	Rastellina
Cultivar/Umbria	Rastellina 166
Cultivar/Umbria	Rosciola
Cultivar/Umbria	Rosciola 2 Trasimeno
Cultivar/Umbria	Rosciola Umbra
Cultivar/Umbria	Rosciola Zocco
Cultivar/Umbria	Rosciolo Lago
Cultivar/Umbria	Rossellino
Cultivar/Umbria	San Felice
Cultivar/Umbria	San Mariano 116
Cultivar/Umbria	San Mariano 117
Cultivar/Umbria	San Vito Alto 101
Cultivar/Umbria	San Vito Alto 102
Cultivar/Umbria	San Vito Alto 103
Cultivar/Umbria	San Vito Basso 123

Cultivar/Umbria	San Vito Basso 124
Cultivar/Umbria	Seggianese 169
Cultivar/Umbria	Sirole A
Cultivar/Umbria	Sirole B
Cultivar/Umbria	Tendellone
Cultivar/Umbria	Tonda di Assisi U5
Cultivar/Umbria	Tonda Nera
Cultivar/Umbria	Vera Lago
Cultivar/Umbria	Verde Zocco
Cultivar/Umbria	Vigorosa
Cultivar/Umbria	Villa Col de' Canali
Cultivar/Umbria	Vocio
Cultivar/Umbria	VSFCC16b
Cultivar/Umbria	Zocco 101
Cultivar/Umbria	Zocco 201
Cultivar/Umbria	Zocco 501
Cultivar (Ancient)/Umbria	Antica Cesi 170 1D
Cultivar (Ancient)/Umbria	Antica Cesi 170 1U
Cultivar (Ancient)/Umbria	Antica Cesi 170 2D
Cultivar (Ancient)/Umbria	Antica Cesi 170 2U
Cultivar (Ancient)/Umbria	Madonna Olivo 172
Cultivar (Ancient)/Umbria	Madonna Olivo 173

Cultivar (Ancient)/Umbria	Madonna Olivo 174
Cultivar (Ancient)/Umbria	Madonna Olivo 175
Cultivar (Ancient)/Umbria	Madonna Olivo 176
Cultivar (Ancient)/Umbria	Millenaria Villastrada S1U
Cultivar (Ancient)/Umbria	Millenaria Villastrada S2D
Cultivar (Ancient)/Umbria	Millenaria Villastrada VS1D
Cultivar (Ancient)/Umbria	Piedimonte 171
Cultivar (Ancient)/Umbria	Sant'Emiliano
Wild/Umbria/Terni	Rocca San Zenone 2
Wild/Umbria/Terni	Rocca San Zenone 3
Wild/Umbria/Terni	Rocca San Zenone 4
Wild/Umbria/Terni	Rocca San Zenone 5
Wild/Umbria/Terni	Rocca San Zenone 6
Wild/Umbria/Terni	Rocca San Zenone 8
Wild/Umbria/Terni	Rocca San Zenone 9
Wild/Umbria/Terni	Rocca San Zenone 10
Wild/Umbria/Terni	Rocca San Zenone 11
Wild/Umbria/Terni	Rocca San Zenone 12
Wild/Umbria/Terni	Rocca San Zenone 13
Wild/Umbria/Massa Martana	Massa Martana 2
Wild/Umbria/Massa Martana	Massa Martana 3
Wild/Umbria/Massa Martana	Massa Martana 5

Wild/Umbria/Massa Martana	Massa Martana 6
Wild/Umbria/Massa Martana	Massa Martana 7
Wild/Umbria/Massa Martana	Massa Martana 8
Wild/Umbria/Massa Martana	Massa Martana 9
Wild/Umbria/Massa Martana	Massa Martana 11
Wild/Umbria/Massa Martana	Massa Martana 12
Wild/Umbria/Massa Martana	Massa Martana 13
Wild/Umbria/Massa Martana	Massa Martana 14
Cultivar/Sardinia	Bosana
Cultivar/Sardinia	Cariasina
Cultivar/Sardinia	Confetto
Cultivar/Sardinia	Corsicana Mensa
Cultivar/Sardinia	Corsicana Olio
Cultivar/Sardinia	Manna
Cultivar/Sardinia	Majorca
Cultivar/Sardinia	Nera di Gonnos
Cultivar/Sardinia	Nera di Oliena
Cultivar/Sardinia	Ogliastrino
Cultivar/Sardinia	Olieddu
Cultivar/Sardinia	Olia Nuxi
Cultivar/Sardinia	Olia Druci
Cultivar/Sardinia	Olia Longa

Cultivar/Sardinia	Palma
Cultivar/Sardinia	Pezze Quaddu
Cultivar/Sardinia	Pizz' e Carroga
Cultivar/Sardinia	Sassarese
Cultivar/Sardinia	Semidana
Cultivar/Sardinia	Sivigliana Mensa
Cultivar/Sardinia	Sivigliana Olio
Cultivar/Sardinia	Terza Grande
Cultivar/Sardinia	Tonda di Cagliari
Cultivar/Sardinia	Tonda di Villacidro
Cultivar (Ancient)/Sardinia	Gallura 1
Cultivar (Ancient)/Sardinia	Gallura 2
Cultivar (Ancient)/Sardinia	Gallura 3
Cultivar (Ancient)/Sardinia	Sortu Manna 1
Cultivar (Ancient)/Sardinia	Sortu Manna 2
Cultivar (Ancient)/Sardinia	Sortu Manna 3
Cultivar (Ancient)/Sardinia	Sortu Manna 4
Cultivar (Ancient)/Sardinia	Sortu Manna 5
Wild/Sardinia/Argentiera	Argentiera 1
Wild/Sardinia/Argentiera	Argentiera 2
Wild/Sardinia/Argentiera	Argentiera 3
Wild/Sardinia/Argentiera	Argentiera 4



Wild/Sardinia/Argentiera	Argentiera 5
Wild/Sardinia/Baia Sardinia	Baia Sardinia1
Wild/Sardinia/Baia Sardinia	Baia Sardinia2
Wild/Sardinia/Baia Sardinia	Baia Sardinia3
Wild/Sardinia/Baia Sardinia	Baia Sardinia4
Wild/Sardinia/Baia Sardinia	Baia Sardinia5
Wild/Sardinia/Capoterra	Capoterra 40
Wild/Sardinia/Capoterra	Capoterra 41
Wild/Sardinia/Capoterra	Capoterra 42
Wild/Sardinia/Capoterra	Capoterra 43
Wild/Sardinia/Capoterra	Capoterra 44
Wild/Sardinia/Capoterra	Capoterra 45
Wild/Sardinia/Capoterra	Capoterra 46
Wild/Sardinia/Paulilatino	Paulilatino 1
Wild/Sardinia/Paulilatino	Paulilatino 2
Wild/Sardinia/Paulilatino	Paulilatino 3
Wild/Sardinia/Paulilatino	Paulilatino 4
Wild/Sardinia/Paulilatino	Paulilatino 40
Wild/Sardinia/Paulilatino	Paulilatino 41
Wild/Sardinia/Paulilatino	Paulilatino 42
Wild/Sardinia/Paulilatino	Paulilatino 43
Wild/Sardinia/Paulilatino	Paulilatino 44

Wild/Sardinia/Paulilatino	Paulilatino 45
Wild/Sardinia/Paulilatino	Paulilatino 46
Wild/Sardinia/Paulilatino	Paulilatino 47
Wild/Sardinia/Paulilatino	Paulilatino 48
Wild/Sardinia/Paulilatino	Paulilatino 49
Wild/Sardinia/Paulilatino	Paulilatino 5
Wild/Sardinia/Paulilatino	Paulilatino 6
Wild/Sardinia/Porto Cervo	Porto Cervo 1
Wild/Sardinia/Porto Cervo	Porto Cervo 2
Wild/Sardinia/Porto Cervo	Porto Cervo 3
Wild/Sardinia/Porto Cervo	Porto Cervo 4
Cultivar/Sicily	Abunara
Cultivar/Sicily	Aitana
Cultivar/Sicily	Bancolilla Caltabellotta
Cultivar/Sicily	Biancolilla Frutto Grosso CT
Cultivar/Sicily	Biancolilla Frutto Piccolo CT
Cultivar/Sicily	Biancolilla Napoletana
Cultivar/Sicily	Biancolilla Scillato
Cultivar/Sicily	Biancolilla Siracusana
Cultivar/Sicily	Biancollila Pantelleria
Cultivar/Sicily	Bottone di Gallo
Cultivar/Sicily	Brandofino

Cultivar/Sicily	Carbucia
Cultivar/Sicily	Castriciana
Cultivar/Sicily	Castricianella
Cultivar/Sicily	Cavalieri
Cultivar/Sicily	Erbano
Cultivar/Sicily	Galatina
Cultivar/Sicily	Giarfara
Cultivar/Sicily	Giarraffa
Cultivar/Sicily	Giarraffa Castronovo
Cultivar/Sicily	Lumiaro
Cultivar/Sicily	Mantonica
Cultivar/Sicily	Minuta
Cultivar/Sicily	Moresca
Cultivar/Sicily	Morghigna
Cultivar/Sicily	Nasitana frutto grosso
Cultivar/Sicily	Nerba
Cultivar/Sicily	Nocellara del Belice
Cultivar/Sicily	Nocellara del Belice CM
Cultivar/Sicily	Nocellara del Belice GP
Cultivar/Sicily	Nocellara Etneor
Cultivar/Sicily	Nocellara Messinese
Cultivar/Sicily	Ogliarola Messinese

Cultivar/Sicily	Olivo di Mandanici
Cultivar/Sicily	Palermitana
Cultivar/Sicily	Passalunara
Cultivar/Sicily	Piricuddara
Cultivar/Sicily	Santagatese
Cultivar/Sicily	Tondaiblea
Cultivar/Sicily	Turdunazza 16
Cultivar/Sicily	Turdunazza am 15
Cultivar/Sicily	Zaituna
Cultivar (Ancient)/Sicily	Agrigento 1
Cultivar (Ancient)/Sicily	Agrigento 2
Cultivar (Ancient)/Sicily	Castelvetrano 1
Cultivar (Ancient)/Sicily	Minuta Nebrodi 1
Wild/Sicily/Ali Terme	Ali 1
Wild/Sicily/Ali Terme	Ali 10
Wild/Sicily/Ali Terme	Ali 11
Wild/Sicily/Ali Terme	Ali 12
Wild/Sicily/Ali Terme	Ali 2
Wild/Sicily/Ali Terme	Ali 3
Wild/Sicily/Ali Terme	Ali 4
Wild/Sicily/Ali Terme	Ali 5
Wild/Sicily/Ali Terme	Ali 6

Wild/Sicily/Ali Terme	Ali 7
Wild/Sicily/Ali Terme	Ali 8
Wild/Sicily/Ali Terme	Ali 9
Wild/Sicily/Menfi	MENFI 1
Wild/Sicily/Menfi	MENFI 10
Wild/Sicily/Menfi	MENFI 11
Wild/Sicily/Menfi	MENFI 12
Wild/Sicily/Menfi	MENFI 13
Wild/Sicily/Menfi	MENFI 14
Wild/Sicily/Menfi	MENFI 15
Wild/Sicily/Menfi	MENFI 16
Wild/Sicily/Menfi	MENFI 18
Wild/Sicily/Menfi	MENFI 2
Wild/Sicily/Menfi	MENFI 3
Wild/Sicily/Menfi	MENFI 4
Wild/Sicily/Menfi	MENFI 5
Wild/Sicily/Menfi	MENFI 6
Wild/Sicily/Menfi	MENFI 7
Wild/Sicily/Menfi	MENFI 8
Wild/Sicily/Menfi	MENFI 9
Wild/Sicily/Rosolini	Rosolini Compat 2
Wild/Sicily/Rosolini	Rosolini OAFR 5

Wild/Sicily/Rosolini	Rosolini RIF 3
Wild/Sicily/Rosolini	Rosolini Varieg 4
Wild/Sicily/Rosolini	A1 PMBL11
Wild/Sicily/Rosolini	A2 AD12
Wild/Sicily/Rosolini	A3 AD13
Wild/Sicily/Rosolini	A4 AD14
Wild/Sicily/Rosolini	AFCAA 21
Wild/Sicily/Rosolini	AFCAB 22
Wild/Sicily/Rosolini	AFCAC 23
Wild/Sicily/Rosolini	AFCAD 24

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