

Table S2. Studied cultivated varieties.

Variety	ISEM- Accession number	Main use	Supposed origin	Inferred origin by nuclear DNA markers†	Maternal lineage (cpDNA haplotype)†	Location of sampling	N
Abou Chawkeh	438	Oil/Table	Lebanon	Central	E2	WOGB-Marrakech ‡	30
Aglandau	001	Oil/Table	France	Admixed	E1	INRAE Melgueil, France	30
Alethrico	400	Oil	Cyprus	Eastern	E1	WOGB-Marrakech	30
Amfissa (or Amfissis)	021	Oil/Table	Greece	Eastern	E1	WOGB-Marrakech	30
Arbequina	002	Oil	Spain	Central	E1	INRAE Melgueil, France	30
Athalassa (syn. Lefkara)	403	Oil	Cyprus	Eastern	E1	WOGB-Marrakech	30
Bella Dispagna	271	Table	Italy	Western	E1	WOGB-Marrakech	30
Besbessi	355	Oil/Table	Tunisia	Eastern	E1	WOGB-Marrakech	30
Bouchouk	729	Oil/Table	Morocco	Admixed	E1	WOGB-Marrakech	30
Cailletier	005	Oil/Table	France	Central	E1	INRAE Melgueil, France	30
Carasqueña	339	Table	Spain	Western	E1	WOGB-Marrakech	30
Carolia (or Karolia)	006	Table	Greece	Admixed	E1	INRAE Melgueil, France	30
Cayet Roux	007	Oil	France	Admixed	E1	INRAE Melgueil, France	30
Cayon	008	Oil	France	Admixed	E2	INRAE Melgueil, France	30
Chemlali	364	Oil	Tunisia	Admixed	E1	WOGB-Marrakech	30
Chondrolia (or Chalkidikis)	044	Oil/Table	Greece (Crete)	Admixed	E1	Ara-Chontrolia, Crete, GR	30
Cipressino (or Frangivento)	010	Oil	Italy	Unknown	Unknown	INRAE Melgueil, France	30
Corniale	009	Oil	France	Admixed	E1	INRAE Melgueil, France	30
Crastu	306	Oil	Italy (Sicily)	Admixed	E2	WOGB-Marrakech	30
Djlot Shami	445	Oil/Table	Syria	Eastern	E1	WOGB-Marrakech	27
Drobnica	348	Oil	Croatia	Central	E1	WOGB-Marrakech	30
Ecijano	012	Oil	Spain	Unknown	Unknown	INRAE Melgueil, France	30
Gaidouriola	461	Table	Greece	Unknown	Unknown	Porquerolles collection, CBN	29
Grappola	462	Table	Italy	Central	E1	Porquerolles collection, CBN	30
Grossane	014	Oil	France	Admixed	E1	INRAE Melgueil, France	30
Hamrani	724	Oil/Table	Morocco	Western	E1	WOGB-Marrakech	30
Istanbuli	678	Oil/Table	Turkey/Sy ria	Unknown	Unknown	Idleb, Syria	30
Jlot Baladi	675	Oil	Syria	Central	E1	Damascus, Syria	30
Kalamata (or Kalamon)	015	Oil/Table	Greece	Unknown	Unknown	INRAE Melgueil, France	30
Koroneiki (syn. Psilolia)	037	Oil	Greece	Admixed	E1	Nikos, Greece	30
Kortbi	754	Oil/Table	Morocco	Unknown	Unknown	Mwawej, Morocco	29
Lastovka	349	Oil	Croatia	Admixed	E1	WOGB-Marrakech	30

Leccino	016	Oil	Italy	Admixed	E1	WOGB-Marrakech	30
Lefkara (syn. Athalassa)	408	Oil	Cyprus	Eastern	E1	WOGB-Marrakech	30
Lentisca	338	Oil	Spain	Western	E1	WOGB-Marrakech	30
Manakiri	038	Oil	Greece	Eastern	E1	Nikos, Greece	30
Manzanilla de Jaen	017	Oil/Table	Spain	Western	E1	INRAE Melgueil, France	30
Mavrolia	039	Oil	Greece	Unknown	Unknown	Nikos, Greece	30
Megaritiki	034	Oil	Greece	Admixed	E2	Desf Yanni, Greece	30
Meski	361	Table	Tunisia	Eastern	E1	WOGB-Marrakech	30
Meslala	378	Oil/Table	Morocco	Central	E1	WOGB-Marrakech	30
Mišnica	335	Table	Slovenia	Unknown	Unknown	WOGB-Marrakech	30
Olivière	022	Oil	France	Admixed	E3	INRAE Melgueil, France	30
Picholine							
Marocaine (or Sigoise)	023	Oil/Table	Morocco	Western	E1	INRAE Melgueil, France	30
Picual	024	Oil	Spain	Western	E1	INRAE Melgueil, France	30
Psilolia (syn. Koroneiki)	043	Oil	Greece (Crete)	Admixed	E1	Neap-Psilolia, Greece	30
Rkhami	356	Oil	Tunisia	Central	E1	WOGB-Marrakech	30
Semlal	745	Table	Morocco	Unknown	Unknown	Ghwiyba, Morocco	30
Sourani (or Sorani)	666	Oil/Table	Syria	Eastern	E1	WOGB-Marrakech	30
Souri	1040	Oil/Table	Israel	Eastern	E1	Gilat (ARO), Israel	30
Tanche	471	Oil/Table	France	Eastern	E1	Porquerolles collection, CBN	29
Tefahi (or Toffahi)	447	Table	Levantine area	Eastern	E1	WOGB-Marrakech	30
Verdale de l'Hérault	030	Oil/Table	France	Admixed	E1	INRAE Melgueil, France	30
Verdiel (or Empeltre)	382	Oil	Spain	Central	E1	WOGB-Marrakech	30
Zaity (or Zaiti or Kurdi)	664	Oil/Table	Syria	Eastern	E1	WOGB-Marrakech	30

† after Besnard *et al.*, 2013 ; El Bakkali *et al.*, 2013 ; Khadari *et al.*, 2019

‡ Tessaout, INRA-Morocco