

1 **Table S1.** List of Spanish accessions analyzed in the present work including information about the origin and local name.

Code	S ¹	BGV	Accession name	Active collection ²	Origin	Local name	Latitude	Longitude
Fnt110	s	BGV010290	NC019552	ESP027/ESP026	Andalusia, Granada, Moclin		37° 20' 38" N	3° 47' 8" W
Fnt217	s		NC055359(b)	ESP027	Basque Country, Vizcaya, Zalla, Otxaran	verde de Guernika	43° 12' 44" N	3° 8' 3" W
Fty50		BGV011159	1979	ESP027/ESP026	Aragon, Zaragoza, Sádaba	del terreno	42° 16' 56" N	1° 16' 16" W
Fty57	s	BGV011735	BGHZ2210	ESP027/ESP026	Aragon, Zaragoza, Ateca	del terreno	41° 19' 55" N	1° 47' 32" W
Fty78		BGV004851	V-C-16	ESP026	Valencian Community, Castellón, La Pobla de Benifassà		40° 39' 29" N	0° 9' 26" E
Fty138		BGV004903	V-C-69	ESP026	Valencian Community, Valencia, Chulilla		39° 39' 25" N	0° 53' 31" W
Fty181	s	BGV014961	BGHZ2362	ESP027/ESP026	Valencian Community, Castellón, Todolella	de casa	40° 38' 55" N	0° 14' 16" W
Fty183		BGV014963	BGHZ2371	ESP027/ESP026	Basque Country, Álava, Salvatierra	verde	42° 51' 4" N	2° 23' 15" W
Fty188	s	BGV014969	BGHZ2389	ESP027/ESP026	Cantabria, Cantabria, Ramales de la Victoria		43° 15' 33" N	3° 27' 46" W
Fty189		BGV015121	BGHZ2390	ESP027/ESP026	Cantabria, Cantabria, Valderredible, Sobrepeña		42° 47' 17" N	3° 57' 42" W
Fty212	s		NC044054	ESP027	Navarra, Navarra, Aibar		42° 38' 30" N	1° 20' 17" W
Lhs31	s	BGV004926	V-C-94	ESP026	Valencian Community, Castellón, Argelita	verde del terreno	40° 3' 18" N	0° 20' 57" W
Lhs121	s	BGV000381	AN-C-27	ESP026	Andalusia, Málaga, Ronda		36° 44' 19" N	5° 9' 51" W
Lti27		BGV011737	2322	ESP027/ESP026	Castilla-Leon, Ávila, Cebreros	largo	40° 27' 21" N	4° 27' 47" W
Lti38		BGV011537	2522	ESP027/ESP026	Extremadura, Badajoz, Herrera del Duque	enano	39° 10' 0" N	5° 2' 54" W
Lti47		BGV000040	A-C-8	ESP026	Aragon, Teruel, Gea de Albarracín		40° 24' 43" N	1° 20' 49" W
Lti60	s	BGV011724	2444	ESP027/ESP026	Aragon, Teruel, Castellote, Ladruñán	de Los Llanos	40° 44' 29" N	0° 24' 3" W
Lti63		BGV002505	CA-C-33	ESP026	Canary Islands, Santa Cruz de Tenerife (La Palma), Garafia, El Tablado		28° 49' 58" N	17° 52' 38" W
Lti68	s	BGV004936	V-C-104	ESP026	Valencian Community, Valencia, Torrebaja		40° 5' 49" N	1° 15' 17" W
Lti71		BGV004939	V-C-107	ESP026	Valencian Community, Valencia, Bocairent		38° 46' 3" N	0° 36' 36" W
Lti87		BGV000469	AN-C-115	ESP026	Andalusia, Granada, Güejar Sierra		37° 9' 39" N	3° 26' 15" W
Lti90		BGV000453	AN-C-99	ESP026	Andalusia, Jaén, Cazorla		37° 54' 48" N	3° 0' 0" W
Lti95		BGV000419	AN-C-65	ESP026	Andalusia, Cádiz, Grazalema	del país	36° 46' 9" N	5° 21' 52" W
Lti96		BGV000518	AN-C-165	ESP026	Andalusia, Almería, Láujar de Andarax		36° 59' 20" N	2° 54' 37" W
Lti104		BGV000415	AN-C-61	ESP026	Andalusia, Cádiz, Benaocaz	del país	36° 42' 5" N	5° 25' 12" W

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3 (2) ESP026: Institute of Conservation and Improvement of Valencian Agrobiodiversity, (COMAV); ESP027: Vegetables Genebank BGHZ.

1 **Table S1 (cont.).** List of Spanish accessions analyzed in the present work including information about the origin and local name.

Code	S ¹	BGV	Accession name	Active collection ²	Origin	Local name	Latitude	Longitude
Lti113	s	BGV002494	CA-C-22	ESP026	Canary Islands, Santa Cruz de Tenerife (La Palma), Puntallana, Santa Lucía		28° 43' 38" N	17° 44' 48" W
Lti126	s	BGV000372	AN-C-18	ESP026	Andalusia, Granada, Ugíjar		36° 57' 51" N	3° 3' 10" W
Lti131		BGV000445	AN-C-91	ESP026	Andalusia, Jaén, Canena	verde	38° 3' 0" N	3° 28' 49" W
Lti142	s	BGV001310	AS-C-1	ESP026	Asturias, Asturias, Siero, La Carrera		43° 23' 1" N	5° 41' 53" W
Lti168	s	BGV015229	BGHZ4778	ESP027/ESP026	Basque Country, Vizcaya, Sopelana	de casa	43° 22' 44" N	2° 58' 58" W
Lti170	s	BGV015700	C-C-49	ESP026	Catalonia, Girona, Llagostera		41° 49' 45" N	2° 53' 38" E
Lti173		BGV012101	Z-02-036	ESP027/ESP026	Aragon, Zaragoza, Gallur	de piel anaranjada	41° 52' 16" N	1° 19' 1" W
Lti174		BGV015699	C-C-48	ESP026	Catalonia, Girona, Mieres	del país	42° 7' 37" N	2° 38' 21" E
Ltp5		BGV004302	MU-C-48	ESP026	Region of Murcia, Murcia, Torre-Pacheco	del terreno	37° 44' 39" N	0° 57' 8" W
Ltp8		BGV004308	MU-C-54	ESP026	Region of Murcia, Murcia, Murcia, Churra	rugoso corto	38° 1' 35" N	1° 8' 5" W
Ltp12	s	BGV004309	MU-C-55	ESP026	Region of Murcia, Murcia, Molina de Segura	medio largo del país	38° 3' 6" N	1° 12' 38" W
Ltp14		BGV004923	V-C-91	ESP026	Valencian Community, Castellón, Ludiente, La Giraba		40° 6' 6" N	0° 22' 34" W
Ltp18		BGV004307	MU-C-53	ESP026	Region of Murcia, Murcia, Murcia, Guadalupe		38° 0' 4" N	1° 10' 15" W
Ltp22		BGV011741	F37	ESP027/ESP026	Aragon, Teruel, Andorra		40° 58' 34" N	0° 26' 33" W
Ltp36		BGV004893	V-C-59	ESP026	Valencian Community, Valencia, Ademuz		40° 3' 45" N	1° 17' 8" W
Ltp39		BGV004838	V-C-1	ESP026	Valencian Community, Alicante, Cocentaina	tendral	38° 44' 48" N	0° 26' 20" W
Ltp46	s	BGV011586	2457	ESP027/ESP026	Galicia, Orense, Barbadás, A Valenzá	Valenzana	42° 18' 57" N	7° 53' 20" W
Ltp48		BGV011540	2523	ESP027/ESP026	Extremadura, Badajoz, Herrera del Duque	largo del país	39° 10' 0" N	5° 2' 54" W
Ltp49		BGV004960	V-C-128	ESP026	Valencian Community, Alicante, Almoradí	medio largo verde	38° 6' 40" N	0° 47' 27" W
Ltp76		BGV000438	AN-C-84	ESP026	Andalusia, Jaén, Canena		38° 3' 0" N	3° 28' 49" W
Ltp78	s	BGV004851	V-C-16	ESP026	Valencian Community, Castellón, La Pobla de Benifassà		40° 39' 29" N	0° 9' 26" E
Ltp81		BGV000449	AN-C-95	ESP026	Andalusia, Jaén, Cazorla		37° 54' 48" N	3° 0' 0" W
Ltp119		BGV004899	V-C-65	ESP026	Valencian Community, Valencia, Casas Altas		40° 2' 27" N	1° 15' 40" W
Ltp133		BGV000421	AN-C-67	ESP026	Andalusia, Cádiz, Tarifa	andaluz	36° 1' 13" N	5° 35' 53" W

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Code	S ¹	BGV	Accession name	Active collection ²	Origin	Local name	Latitude	Longitude
Ltp137		BGV000503	AN-C-149	ESP026	Andalusia, Huelva, Aracena		37° 53' 27" N	6° 33' 37" W
Ltp139		BGV004964	V-C-132	ESP026	Valencian Community, Alicante, Novelda	rugoso del país	38° 23' 14" N	0° 45' 51" W
Ltp143		BGV004976	V-C-144	ESP026	Valencian Community, Valencia, Casas Bajas		40° 1' 29" N	1° 15' 34" W
Ltp145		BGV000380	AN-C-26	ESP026	Andalusia, Málaga, Benaoján	del terreno	36° 43' 12" N	5° 15' 9" W
Ltp147		BGV014220	07-A30-01	ESP026	Valencian Community, Castellón, Tírig		40° 25' 31" N	0° 4' 44" E
Ltp154	s	BGV015696	NC094818	ESP027/ESP026	Valencian Community, Alicante, Gaianes	del terreno	38° 48' 52" N	0° 24' 23" W
Ltp158	s	BGV000416	AN-C-62	ESP026	Andalusia, Cádiz, Benaocaz	amarillo	36° 42' 5" N	5° 25' 12" W
Ltp171		BGV012114	Z-00-035	ESP027/ESP026	Aragon, Teruel, Cantavieja	grande verde	40° 31' 45" N	0° 24' 16" W
Ltp176		BGV015695	NC094812	ESP026	Valencian Community, Alicante, Cocentaina		38° 44' 48" N	0° 26' 20" W
Ltp186	s	BGV014967	BGHZ2387	ESP027/ESP026	Castilla-La Mancha, Guadalajara, Miedes de Atienza	alargado	41° 16' 8" N	0° 57' 47" W
Sel33	s	BGV010550	1351	ESP027/ESP026	Castilla-La Mancha, Cuenca, Pozorrubio		39° 49' 5" N	2° 56' 57" W
Sel54		BGV010381	680	ESP027/ESP026	Castilla-La Mancha, Ciudad Real, Manzanares		38° 59' 58" N	3° 22' 8" W
Sel61		BGV004845	V-C-10	ESP026	Valencian Community, Valencia, Venta del Moro	conqueño	39° 29' 6" N	1° 21' 19" W
Sel66	s	BGV011740	MD90	ESP027/ESP026	Extremadura, Badajoz, Puebla de Alcocer	enano	38° 59' 11" N	5° 15' 21" W
Sel74		BGV003681	CM-C-12	ESP026	Castilla-La Mancha, Albacete, Villatoya	del terreno	39° 20' 6" N	1° 20' 14" W
Sel79		BGV003706	CM-C-38	ESP026	Castilla-La Mancha, Cuenca, Sotorribas, Villaseca		40° 19' 6" N	2° 12' 50" W
Sel106	s	BGV005022	V-C-190	ESP026	Valencian Community, Alicante, Villena		38° 38' 10" N	0° 51' 58" W
Sel114	s	BGV000502	AN-C-148	ESP026	Andalusia, Huelva, Cortegana		37° 54' 43" N	6° 49' 6" W
Sel120		BGV003703	CM-C-35	ESP026	Castilla-La Mancha, Cuenca, Sotorribas, Sotos		40° 11' 47" N	2° 9' 45" W
Shs28		BGV003713	CM-C-45	ESP026	Castilla-La Mancha, Cuenca, Palomera, Molinos de Papel		40° 4' 52" N	2° 4' 34" W
Shs43	s	BGV003714	CM-C-46	ESP026	Castilla-La Mancha, Cuenca, Palomera, Molinos de Papel		40° 4' 52" N	2° 4' 34" W
Shs72		BGV010629	2413	ESP027/ESP026	Castilla-Leon, Valladolid, Peñafiel	del terreno	41° 35' 51" N	4° 7' 2" W
Shs82		BGV014501	V-C-214	ESP026	Valencian Community			
Shs88	s	BGV011734	BGHZ2123	ESP027/ESP026	Castilla-Leon, Valladolid, Peñafiel	del terreno	41° 35' 51" N	4° 7' 2" W

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Code	S ¹	BGV	Accession name	Active collection ²	Origin	Local name	Latitude	Longitude
Shs101	s	BGV002495	CA-C-23	ESP026	Canary Islands, Santa Cruz de Tenerife (La Palma), Garafía, Don Pedro		28° 50' 32" N	17° 53' 58" W
Shs117		BGV010367	616	ESP027/ESP026	Castilla-La Mancha, Ciudad Real, Villanueva de los Infantes		38° 44' 18" N	3° 0' 50" W
Stp6		BGV011928	CF82	ESP027/ESP026	Andalusia, Jaén, Villacarrillo	largo	38° 6' 37" N	3° 5' 6" W
Stp19	s	BGV010636	2437	ESP027/ESP026	Castilla-Leon, Soria, Almazán	de la tierra	41° 29' 17" N	2° 31' 54" W
Stp20		BGV002491	CA-C-19	ESP026	Canary Islands, Santa Cruz de Tenerife (La Palma), Barlovento, Topaciegas		28° 49' 46" N	17° 49' 25" W
Stp23		BGV010608	BGHZ2337	ESP027/ESP026	Castilla-Leon, Segovia, Ayllón	de la tierra	41° 25' 19" N	3° 22' 32" W
Stp34		BGV004892	V-C-58	ESP026	Valencian Community, Valencia, Ademuz		40° 3' 45" N	1° 17' 8" W
Stp35		BGV004895	V-C-61	ESP026	Valencian Community, Valencia, Ademuz		40° 3' 45" N	1° 17' 8" W
Stp56		BGV000042	A-C-10	ESP026	Aragon, Huesca, Quicena	gordo	42° 8' 57" N	0° 21' 34" W
Stp58	s	BGV000437	AN-C-83	ESP026	Andalusia, Jaén, Úbeda		38° 0' 46" N	3° 22' 12" W
Stp59	s	BGV010314	426	ESP027/ESP026	Castilla-La Mancha, Guadalajara, Yunquera de Henares	largo	40° 45' 19" N	3° 9' 52" W
Stp62		BGV000452	AN-C-98	ESP026	Andalusia, Jaén, Cazorla		37° 54' 48" N	3° 0' 0" W
Stp65	s	BGV008299	IVIA-044	ESP026	Valencian Community	del país		
Stp89		BGV000050	A-C-18	ESP026	Aragon, Zaragoza, Rueda de Jalón		41° 38' 3" N	1° 16' 25" W
Stp97	s	BGV000467	AN-C-113	ESP026	Andalusia, Jaén, Martos	jaenero	37° 43' 29" N	3° 57' 58" W
Stp109		BGV000513	AN-C-159	ESP026	Andalusia, Huelva, Cortegana		37° 54' 43" N	6° 49' 6" W
Stp111		BGV010322	NC019957	ESP027/ESP026	Castilla-La Mancha, Guadalajara, Yélamos de Arriba		40° 38' 22" N	2° 50' 35" W
Stp127		BGV003688	CM-C-19	ESP026	Castilla-La Mancha, Albacete, Alcalá del Júcar		39° 11' 40" N	1° 25' 41" W
Stp128	s	BGV000512	AN-C-158	ESP026	Andalusia, Huelva, Cortegana		37° 54' 43" N	6° 49' 6" W
Stp144	s	BGV004026	E-C-56	ESP026	Extremadura, Cáceres, Madrigal de la Vera		40° 8' 53" N	5° 22' 8" W
Stp150		BGV003679	CM-C-10	ESP026	Castilla-La Mancha, Guadalajara, Mondéjar	tronquero	40° 19' 25" N	3° 6' 30" W
Stp178		BGV014958	BGHZ2359	ESP027/ESP026	Aragon, Huesca, Valle de Bardají, Lleret	amarillo	42° 24' 36" N	0° 26' 3" E

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Code	S ¹	BGV	Accession name	Active collection ²	Origin	Local name	Latitude	Longitude
Stp179	s	BGV014959	BGHZ2360	ESP027/ESP026	Aragon, Huesca, Valle de Bardají, Lleret	amarillo	42° 24' 36" N	0° 26' 3" E
Sty2	s	BGV011736	BGHZ2315	ESP027/ESP026	Castilla-Leon, Ávila, Mombeltrán	de la tierra	40° 15' 41" N	5° 1' 0" W
Sty3	s	BGV011742	F4	ESP027/ESP026	Castilla-La Mancha, Albacete, Ayna		38° 33' 12" N	2° 4' 7" W
Sty9	s	BGV004304	MU-C-50	ESP026	Region of Murcia, Murcia, Murcia, Monteagudo	pequeño verde	38° 1' 15" N	1° 6' 6" W
Sty11		BGV010683	546/1	ESP027/ESP026	Castilla-Leon, Ávila, Cebreros	pequeño amarillo	40° 27' 21" N	4° 27' 47" W
Sty15		BGV011872	546/2	ESP027/ESP026	Castilla-Leon, Ávila, Cebreros	pequeño blanco	40° 27' 21" N	4° 27' 47" W
Sty17	s	BGV011582	2735	ESP027/ESP026	Aragon, Teruel, Alcañiz	amarillo con raya	41° 3' 9" N	0° 7' 54" W
Sty24		BGV011556	2503	ESP027/ESP026	Extremadura, Cáceres, Logrosán	rubio corto	39° 20' 22" N	5° 29' 32" W
Sty29		BGV000523	AN-C-170	ESP026	Andalusia, Granada, La Peza		37° 16' 35" N	3° 18' 58" W
Sty37		BGV000520	AN-C-167	ESP026	Andalusia, Granada, Juviles		36° 57' 4" N	3° 13' 30" W
Sty40		BGV003711	CM-C-43	ESP026	Castilla-La Mancha, Cuenca, Cuenca		40° 4' 40" N	2° 7' 49" W
Sty41		BGV011544	2538	ESP027/ESP026	Extremadura, Badajoz, Talarrubias	verde	39° 2' 21" N	5° 13' 57" W
Sty53		BGV011913	HU049	ESP027/ESP026	Aragon, Huesca, Sabinánigo, Molino de Villobas	amarillo	42° 23' 34" N	0° 17' 14" W
Sty55		BGV003705	CM-C-37	ESP026	Castilla-La Mancha, Cuenca, Sotorribas, Sotos		40° 11' 47" N	2° 9' 45" W
Sty67		BGV004981	V-C-149	ESP026	Valencian Community, Alicante, Beneixama		42° 9' 19" N	3° 4' 15" E
Sty70		BGV000460	AN-C-106	ESP026	Andalusia, Jaén, Alcaudete	del terreno	37° 35' 29" N	4° 5' 10" W
Sty77		BGV003370	CL-C-10	ESP026	Castilla-Leon, Palencia, Palencia		42° 0' 32" N	4° 32' 0" W
Sty80	s	BGV000047	A-C-15	ESP026	Aragon, Zaragoza, Lumpiaque		41° 37' 56" N	1° 17' 55" W
Sty86		BGV000451	AN-C-97	ESP026	Andalusia, Jaén, Cazorla		37° 54' 48" N	3° 0' 0" W
Sty92		BGV000375	AN-C-21	ESP026	Andalusia, Granada, Vegas del Genil, Purchil		37° 10' 25" N	3° 39' 52" W
Sty94	s	BGV010301	360	ESP027/ESP026	Castilla-La Mancha, Guadalajara, Corduente, Torete		40° 48' 57" N	2° 3' 21" W
Sty102		BGV010296	340	ESP027/ESP026	Castilla-La Mancha, Guadalajara, Algar de Mesa		41° 8' 6" N	1° 57' 28" W
Sty103		BGV000035	A-C-3	ESP026	Aragon, Teruel, Torres de Albarracín		40° 25' 41" N	1° 31' 51" W
Sty105		BGV000473	AN-C-119	ESP026	Andalusia, Granada, Santa Fe	castellano pinchudo	37° 11' 26" N	3° 43' 4" W
Sty115		BGV000522	AN-C-169	ESP026	Andalusia, Granada, La Peza		37° 16' 58" N	3° 16' 52" W

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Sty116		BGV004925	V-C-93	ESP026	Valencian Community, Castellón, Fanzara	de vinagre	40° 1' 14" N	0° 18' 55" W
Sty122	s	BGV000408	AN-C-54	ESP026	Andalusia, Cádiz, Los Barrios	enano	36° 11' 12" N	5° 29' 29" W
Sty136		BGV010350	563	ESP027/ESP026	Castilla-La Mancha, Ciudad Real, Calzada de Calatrava		38° 42' 21" N	3° 46' 33" W
Sty146		BGV004920	V-C-88	ESP026	Valencian Community, Castellón, Figueroles	de vinagre	40° 7' 8" N	0° 14' 12" W
Sty157	s	BGV000479	AN-C-125	ESP026	Andalusia, Córdoba, Lucena, Jauja	de la tierra	37° 18' 23" N	4° 39' 15" W
Sty165		BGV015469	BGHZ4943	ESP027/ESP026	Extremadura, Cáceres, Alía, La Calera		39° 30' 4" N	5° 15' 1" W
Sty180	s	BGV014960	BGHZ2361	ESP027/ESP026	Aragon, Huesca, Labuerda	amarillo	42° 27' 4" N	0° 8' 9" E
Sty190		BGV014970	BGHZ2391	ESP027/ESP026	Castilla-La Mancha, Cuenca, Alcohujate		40° 25' 6" N	2° 36' 53" W
Sty209			NC026203	ESP027	Castilla-La Mancha, Toledo, Noblejas	corto	39° 58' 49" N	3° 26' 22" W
VL7	s	BGV004305	MU-C-51	ESP026	Region of Murcia, Murcia, Murcia, San Benito	largo verde	37° 57' 52" N	1° 7' 35" W
W210	s	BGV010629	2413	ESP027/ESP026	Castilla-Leon, Valladolid, Peñafiel	del terreno	41° 35' 51" N	4° 7' 2" W

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1 **Table S2.** Primer name, chromosome (Chr.), motive, dye, primer sequences, multiplex PCR group and fragment analysis group used in this study.

Primer	Chr.	Motive	Dye ¹	Forward primer	Reverse primer	Multiplex PCR	Fragment analysis
SSR10018	1	(AAG) ₁₉	HEX	GGGTCTAATATTTGGGGATGG	GGTTGTTCTTGTGGAATGTG	6	2
SSR11340	1	(AG) ₁₈	FAM	TTGTTTTTGTGTTGGGCACTCA	GTGCATCACTCACCCCTTC	4	1
SSR05723	1	(AT) ₁₇	FAM	GGGTGTAATTGGCTTTTCTG	GGTTCTAATCCAACGAGTGC	4	1
SSR16695	1	(CAT) ₁₄	FAM	GGACTAGAAACACAATCCCACG	GTTTGGTTTGCTTCAAGTAGGTTC	3	3
SSR16226	2	(TCTT) ₇	HEX	GCGTTAAAATTCCCAACGG	GGAGAGAAATTGGAATTCGGCAG	6	2
SSR23220	2	(AGAAGG) ₁₃	TAMRA	GGGATGGGATCTGGGTTTG	GTGTGGAAATATGTGGAGGGAG	7	2
SSR22653	2	(AG) ₂₀	HEX	TGAATTTCTTTGGTGGATTCAA	GGGAGAAGAAGGGGAGATTG	1	1
SSR23370	2	(TA) ₁₇	TAMRA	GATTATGAGGATGAACCACACC	GCCAACAACCTCTCTTATCGAAC	2	1
SSR01738	3	(GAA) ₉	FAM	GCGTAGGGAAAGTAAATCAAATAGG	GGCATAAGAAATGATACGAACC	3	3
SSR16056	3	(CACCT) ₆	FAM	GGGTTTGATAGTGGAGATTATTCA	GGTCTTTTCCACTCAATCCATT	4	1
SSR05012	3	(TCT) ₈	FAM	TTTAATGGCGTCGAAATGGT	GTTCCATTAACGAGCTTCCC	4	1
SSR11043	4	(GAA) ₁₆	HEX	TACACCTCTGCGAAGCACC	GTTTCGCACTCACTCTTTACCG	1	1
SSR05125	4	(GAAA) ₇	FAM	GCACATTCAAATTTACTTGGGAG	GCTTTAAGTTTGATGGTAGGGTAG	5	2
SSR07543	4	(GA) ₁₃	TAMRA	GGTTTGGCTTTCCTTTCACTC	GGTTCCCCAAATCAAACCTCAC	2	1
SSR19998	5	(AATC) ₁₂	TAMRA	CTTTGCCAAGCATCTCACC	GTTTGCGTCTGCGGTTCTG	2	1
SSR16068	5	(AG) ₁₂ (AAAGAG) ₅	FAM	GTGCAAAACGGAGTGAGGTG	GTTTGGGTTTGGTTCTGATG	5	2
SSR02895	5	(AT) ₁₉	HEX	GTGAAGAAATGAGTTGGCAAGTC	GGAGGGAATGTTGGATCAGC	6	2
SSR20852	6	(TA) ₃₀	FAM	GGTTTCCATTGAACTCGTAGC	GGCTGTCCATTTTGTAGAACC	5	2
SSR31399	6	(AT) ₁₈	TAMRA	AGCTCCGAGGATACCCATCT	AGAAGAACACCTGGAACAGACA	7	2
SSR20218	6	(AGA) ₂₈	TAMRA	TCGCCCACGTCTCTATATC	GCTAATGAAGGGGGAGGAGA	7	2
SSR29260	7	(GAGATG) ₈	HEX	TGCTTGGAAGTTTGTCTGTC	GGTTTATTGGATGATGGGTC	1	1
SSR14861	7	(ATAC) ₁₉	FAM	CGGTAGTCTACTTGGTTGAAATG	GTAAATAGGACGAAGGAAAACCAC	3	3
SSR13787	7	(AT) ₁₈	FAM	GCAACTCCAACCAATCCCTC	GGCAGCTAAATTCAACTCACC	5	2

2 (1) HEX: hexachloro-6-carboxyfluorescein. FAM: carboxy fluorescein. TAMRA: carboxytetramethylrhodamine.

1 **Table S3.** Number of accessions analyzed depending on their origin and morphotype.

Autonomous community	French type ¹		Long type ²			Short type ³			Very long	White type	Total
	Fnt	Fty	Lhs	Lti	Ltp	Sel	Shs	Stp	Sty		
Andalusia	1		1	7	6	1		6	9		31
Aragon		2		3	2			4	5		16
Asturias				1							1
Basque Country	1	1		1							3
Canary Islands				2			1	1			4
Cantabria		2									2
Castilla-Leon				1			2	2	4		9
Castilla-La Mancha					1	5	3	4	8		21
Catalonia				2							2
Extremadura				1	1	1		1	3		7
Galicia					1						1
Region of Murcia					4				1	1	6
Navarra		1								1	2
Valencian Community		3	1	2	11	2	1	3	3		26

2 ¹ Fnt: French non-typical, Fty: French typical. ² Lhs: Long hairs and spines, Lti: Long tubercular intermediate, Ltp: Long tubercular pronounced. ³ Sel:

3 Short ellipsoid, Shs: Short hairs and spines, Stp: Short tubercular pronounced, Sty: Short typical.