

Table S1. Extraction conditions for sugars, organic acids, anthocyanin and phenolic compounds.

Parameter	sugars, organic acids	anthocyanins	phenolic compounds
Solvent (%v/v MeOH)	0	49	73
Temperature (°C)	50	10	10
Amplitude (%)	50	51	68
Cycle (s)	0.5	0.7	0.7
pH	-	6.94	4.33
Ratio (mL:g)	15:0.5	15:0.5	15:0.5
Extraction time (min)	5	10	10

Table S2. Genetic profiles obtained for 'Tintilla de Rota' and 'Graciano' accessions at 22 microsatellite loci. Alleles sizes are given in base pairs (bp).

Microsatellite locus	Alleles (bp)
VVIB01	287 287
VMC1b11	172 184
VMC4F31	176 203
VVMD5	224 236
VVMD7	237 237
VVMD21	247 251
VVMD24	207 207
VVMD25	260 268
VVMD27	178 182
VVMD28	244 258
VVMD32	238 254
VVIH54	166 166
VVN16	149 157
VVIN73	262 262
VVIP31	178 190
VVIP60	310 316
VVIQ52	89 89
VVS2	135 147
VVIV37	163 175
VVIV67	354 360
VrZAG62	184 187
VrZAG79	250 258