

Table S2. Information on the investigated wild boars.

Wild boar populations	No. of animals	Genotyping methods⁴	Years⁵
North of Italy	113 ¹	PCR-RFLP and fragment analysis	2010-2013
Sardinia	26 ²	PCR-RFLP and fragment analysis	2014
South-East Europe	90 ³	PCR-RFLP and fragment analysis	2010-2012

¹ 111 of these animals were investigated by Fontanesi *et al.* (2014).

² Analysed in this study.

³ Already investigated by Fontanesi *et al.* (2014).

⁴ Genotyping results reported by Fontanesi *et al.* (2014) did not distinguish alleles E^{D2} and E^P of the *MC1R* gene. All wild boars were re-genotyped in the current study to obtain information from all *MC1R* alleles (see Table S3 for details).

⁵ Years of collection of the analysed samples. Information on the sex was not recorded for all animals and therefore was not reported in the table.