

Autonomous Community in Spain	FID in .fam file	N° of samples
Balearic Islands	Eivissa	13
Balearic Islands	Mallorca	9
Balearic Islands	Menorca	3
Catalonia	Barcelonès	5
Catalonia	Camp_de_Tarragona	8
Catalonia	Catalunya_Central	9
Catalonia	Girona	10
Catalonia	Lleida	9
Catalonia	Penedès	11
Catalonia	Peri-Barcelona	10
Catalonia	Pirineu	6
Catalonia	Terres_de_l'Ebre	5
Valencian Community	Alacant	6
Valencian Community	Castelló	7
Valencian Community	València	9

Quality filters applied:

- Samples with more than 10% of SNP genotypes missing were removed
- SNPs missing in more than 95% of samples were escluded
- SNPs with extreme deviation ( $p < 10^{-5}$ ) from Hardy-Weinberg equilibrium were rejected
- For the IBD analysis, a cutoff was applied at  $PI\_HAT > 0.125$