Table 1. Quality control criteria and the number of discarded and remaining markers in the goat genome of an Anglo-Nubian population.

Quality Control	Number of markers
Initially available	53347
Monomorphic SNPs	0
SNP Call Rate < 0.95	74
SNPs in unknown regions	2773
Extreme deviations from HWE	11841
MAF < 0,01	0
Removed	14688
Remaining SNPs	38659

SNPs = Single Nucleotide Polymorphism; MAF = minor allele frequency; HWE= Hardy-Weinberg Equilibrium ($p < 10^{-6}$)

Table 2. Different relationship matrices for estimating variance components, heritability, and repeatability for resistance to gastrointestinal nematodes in Brazilian Anglo-Nubian goats.

Trait	Relationship Matrix	σ_a^2	σ_{pe}^2	σ_e^2	σ_p^2	h^2	pe^2	t
PR	(A)	0,12	0,38	2,60	3,10	0,04	0,12	0,16
	(H)	0,14	0,36	2,59	3,10	0,05	0,12	0,16

PR: Parasite Resistance; σ_a^2: additive genetic variance; σ_{pe}^2: permanent environment variance; σ_e^2: residual variance; σ_p^2: phenotypic variance; h^2: heritability; pe^2: proportion of phenotypic variance due to permanent environment effect; t: repeatability coefficient; (A) estimates based on pedigree relationship matrix; (H) estimates based on the hybrid relationship matrix.