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Effects of single nucleotide polymorphisms and haplotypes of the protein kinase AMP-activated non-catalytic subunit gamma 3 (*PRKAG3*) gene on production, meat quality and carcass traits in Italian Large White pigs

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Highlights

- Meat and carcass quality traits are very important in heavy pigs for dry-cured ham and salami high quality production.
- We analysed markers of promoter region of the *PRKAG3* gene in different pig breeds.
- SNPs of promoter and coding regions of the *PRKAG3* were used for inferring haplotypes in Italian Large White.
- SNPs and haplotypes of the *PRKAG3* gene affected several meat quality traits of economic importance.

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