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Potential competing interests: No potential competing interests to declare.

The introduction is very extensive and there is a lack of detailing the background of the characteristics of the study in the context where the research that was consulted is carried out.

It is recommended to carry out searches for island regions in homosigosity ROH, SNV among others that indicate signs of adaptation.

It remains to explore the results in terms of adaptation of the population studied with respect to the characteristics evaluated.

It remains to explore associated genes in previous works related to the studied characteristics, to mention some housed in regions identified as selection or adaptation signals.