

**Table S3.** 15 microsatellites and MHC II exon 2 outlier analyses results from Lositan and Bayescan. Analyses were performed independently considering: all the gradient, northern populations as a cluster and southern populations as another cluster.

Loci	Northern cluster		Southern cluster		Gradient	
	Lositan	Bayescan	Lositan	Bayescan	Lositan	Bayescan
<b>RDD590</b>	–	–	–	–	<i>Stabilizing selection</i>	–
<b>RtuP</b>	<i>Stabilizing selection</i>	–	–	<i>Stabilizing selection</i>	<i>Stabilizing selection</i>	<i>Stabilizing selection</i>
<b>WRA_160</b>	–	–	–	–	<i>Stabilizing selection</i>	–
<b>RCO8640</b>	–	–	<i>Diversifying selection</i>	–	<i>Diversifying selection</i>	<i>Diversifying selection</i>
<b>MHC</b>	–	–	<i>Diversifying selection</i>	–	<i>Diversifying selection</i>	–
<b>RtCa25</b>	–	–	–	<i>Stabilizing selection</i>	–	<i>Stabilizing selection</i>
<b>RtCAa18</b>	–	–	–	<i>Stabilizing selection</i>	–	<i>Stabilizing selection</i>