

Online Resource 1. Primer sequences used in the present study

Name	Chromosome	Position (EquCab2)	Forward (5'-3')	Reverse (5'-3')	Type of marker	Accession number/ Reference
<i>DRA</i>	20	32690939	GCTTCTCATCCTAGTTCCCTT	CATGCCTAGGAGTGCAGCAGA	exon two re-sequencing	this study
<i>COR112</i>	20	33282436	TTACCTGGTTATTGGTTATTTGG	TCACCCACTAAATCTCAAATCC	microsatellite	Tseng <i>et al.</i> 2010
<i>DRB3</i>	20	33364480	GGTGGTGGTGGAGACAAATC	TCACCGGACTGAGTCTCTC	exon two re-sequencing	this study
<i>COR113</i>	20	33480825	TGTTTAGAACTCGCCAGGAG	TCATCAGTTCCTTGCCTAGC	microsatellite	Tseng <i>et al.</i> 2010
<i>UM011</i>	20	33510120	TGAAAGTAGAAAGGGATGTGG	TCTCAGAGCAGAAAGTCCCTG	microsatellite	GenBank: AF195130
<i>COR114</i>	20	33516304	TCAAATCCACACTCCCTTC	TCCATAAGAGTGGGACACTG	microsatellite	Tseng <i>et al.</i> 2010
<i>AHT004</i>	24	23415673	AACCGCCTGAGCAAGGAAGT	CCCAGAGAGTTTACCCT	microsatellite	Binns <i>et al.</i> 1995
<i>Autosomal1</i>	6	83299042	AGTGCCTGACAGAGACACGA	TGAGTCAGAGGGGAGGTCAG	microsatellite	this study

The Same ELA Class II Risk Factors Confer Equine Insect Bite Hypersensitivity in Two Distinct Populations

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