

Table S1. Primer pairs used for PCR amplification and sequencing of the *PRDM9* gene.

#	Role	Forward primer		Reverse primer	
		Sequence 5' -> 3'	Position	Sequence 5' -> 3'	Position
1	<i>Ex10</i> PCR	AATCGTGCACTGTCAACACC	Int9	TCCCTGAATTGGAGTCTTGG	Ex10
2	<i>Ex10</i> sequencing	AGCGATATTCCGATCCACAC	Ex10		
3	<i>Ex10</i> Hap9 specific	TGCATGAGAGAATCACAGAG	Ex10		
4	<i>Ex10</i> most haplotypes	TACATGAGAGAATCACAGAA	Ex10		
5	Sub-cloning	CATGCCATGGAATCGTGCACTGTCAACACC	<i>NcoI</i> +Int9	CCGGAATTCTCCCTGAATTGGAGTCTTGG	<i>EcoRI</i> +Ex10
6	Vector sequencing	TAATACGACTCACTATAGGG	T7	TATTTAGGTGACACTATAG	SP6
7	Insert sequencing	GGCAGGGGTCTCAGGGATT	Ex10		

>PRDM9 exon10, partial CDS associated with haplotypes #1;#3;6
CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCTGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGCTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAGCCAGAAACCGAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGGACCATCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCCGTCTCATCACACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCG
AAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCTATCTCATCACACACCAGAGG
ACCCACAGGGGAGAAGCCTTATGTTGCAGGGAGTGTGAGTGA

>PRDM9 exon10, partial CDS associated with haplotypes #2;#15
CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCTGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGCTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAGCCAGAAACCGAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGGACCATCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGGGCCGTCTCATCACACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCG
AAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCTATCTCATCACACACCAGAGG
ACCCACAGGGGAGAAGCCTTATGTTGCAGGGAGTGTGAGTGA

>PRDM9 exon10, partial CDS associated with haplotypes #4
CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCTGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGCTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAGCCAGAAACCGAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGGACCATCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCCGTCTCATCACACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCG
AAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGGGCTATCTCATCACACACCAGAGG
ACCCACAGGGGAGAAGCCTTATGTTGCAGGGAGTGTGAGTGA

>PRDM9 exon10, partial CDS associated with haplotypes #5;7

CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGCTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAAGCCAGAAACCGAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGGACCATCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCCGTCTCATCACACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCG
AAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGG
ACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGG
CTATCTCATCACACACCAGAGGACCCACAGGGGAGAAGCCTTATGTTGCAGGGAGTGTGAGT
GA

>PRDM9 exon10, partial CDS associated with haplotypes
#9;#10;and of DOMINETTE

CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGTTTCTGGGGTGCATGAGAGAATCACAGAGGAGCCCAGCACAAAGCCAGAAACCAAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATAGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACTCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACTCTCATCAAACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCA
AAGCTTCAATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGTCCACTCTCATCACACACCAGAGG
ACACACAGAGGAGAAGCCTTATGTTTGACAGGGAGTGTGA

>PRDM9 exon10, partial CDS associated with a haplotype of JJ

CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAGT
GGGGGGGTCTGGGGTGCATGAGAGAATCACAGAAGAGCCCAGCACAAAGCCAGAACTGAATC
CAGGGGACACAGGCAAATTATTCATGGGGGCAGGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGGACCATCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCCGT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCG
AAGCTTCAGTCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCAAAGCTTCAGTCAGAAGGGCTATCTCATCACACACCAGAGG
ACCCACAGGGGAGAAGCCTTATGTTGCAGGGAGTGTGAGTGA

>PRDM9 exon10, partial CDS associated with haplotype indicus_A
CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAATCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCTGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAAGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGCTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAAGCCAGAAACTGAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATCGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACTCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACTCTCATCAAACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCA
AAGCTTCAATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGTCCACTCTCATCACACACCAGAGG
ACACACAGAGGAGAAGCCTTATGTTTGACAGGGAGTGTGA

>PRDM9 exon10, partial CDS associated with haplotype indicus_B
CAGAATCGAAGCCCAAGATCCACCCATGTGCCTCCTGCTCTCTGGCCTTCTCCAGTCAGAAG
TTCTCAGCCAACATGTCCAACACAATCACCCCTCTCAGACCCTCCTGAGACCATCTGCAAG
AGACTACCTGCAACCAGAGGATCCCTGCCCAGGCAAGTCAAAATCAGCAGCAGCGATATTCCG
ATCCACACAGCCCAAGTGACAAACCTGAGGGTCTGTGAGGTCAAGGACAGGCCCAACCTTTG
CTGAAAAGCATAAAGGCTGAAGAGGATTTCAAGGGCCTCCTCCTACTCACCCAGAGGACAAAT
GGGGGTTTCTGGGGTACATGAGAGAATCACAGAAGAGCCCAGCACAAAGCCAGAAACCAAATC
CAGAGGACACAGGCAAATTATTCATGGGGGCAGGGGTCTCAGGGATTATAAAAGTCAAGTAC
GGAGAGTGTGGGCAAGGATCCAAGGATAGGTCAAGTCTCATCACAAACCAGAGGACACACAC
AGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACTCTCA
TCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCGAAGC
TTCAATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGT
TTGCGGGGAGTGTGGGCGAAGCTTCAGTCAGAAGTCCACTCTCATCAAACACCAGAGGACAC
ACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCAAAGCTTCAATCAGAAGTCCACT
CTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCTATGTTTGCGGGGAGTGTGGGCA
AAGCTTCAATCAGAAGTCCACTCTCATCACACACCAGAGGACACACACAGGGGAGAAGCCCT
ATGTTTGCGGGGAGTGTGGGCGAAGCTTCAGTCGGAAGTCCACTCTCATCACACACCAGAGG
ACACACAGAGGAGAAGCCTTATGTTTGACAGGGAGTGTGA