

Table S1. Primers for PCR amplification of variable regions of *Mdwh* candidate genes

Gene	SNP	Forward Primer	Reverse Primer
<b><i>Bub1b</i></b>	rs3144766	CTGACTCCCTCTTCTGGTGTG	ACTATGCCTCTGGCCTTCCT
	rs3149979	CTCATTGCGAGGAGGTATCC	GGAGCATGGAGAGTTGAAGG
	rs3149980	CCGCGTCTAGAACGGAGTTATC	CAGATCCCCTGAGTCCTCACC
	rs27423851	GTGGTACCTCCCAACCCTCT	CCTGACCACATTCATTTGCTT
	rs27423850	CCGTGTGTGTGTGTGTGTGT	CCTGTGGCATTCAAATCACTT
	rs252392177	AATGTTGGAGTTCCTCCCC	GGCCTGTGGCATTCAAATC
<b><i>DII4</i></b>	rs27423747	CAGGGAAGCCATGAACAATC	CCAGGACAGCTAGGGCTACA
	rs29576525	CCCACCTTTACAGATCCAGCAA	ACTCACTGCTCTGGGAAAGG
<b><i>Dnajc17</i></b>	rs8279388	GGAAGAAGCCCTTGCAGATA	GAGCAGGATATGGGAAGCTG
	rs49263590	TGTAGGCTAGGGTCCCTCTGG	CCTCCTCACCCCTAGTGCATC
	rs27453586	TCAAGGAAAGGCTAGGCTGA	CTGTAACGTTGGCAGGTGTG
	rs51167341	TCAAGGAAAGGCTAGGCTGA	CTGTAACGTTGGCAGGTGTG
	rs46745469	CTGTGGAAACGGAGAAGCAG	AGCTTACAGGCGACCTTCCT
	rs27453572	CCCTCTCCAGATCTGCTCAA	GGCCTGAGGGTGAGTAGCTT
<b><i>Duox1</i></b>	rs236906605	GCCTACTGAGGCGTCATCTC	GAGAGCCTCATCGTGTCTGG
	rs229793548	AGGTCAGGGCTTGGATTTG	AGGGATGAGCAGAGTCAGGA
	rs27453258	CTTGCCTGGGCTGTGTCTTA	CCCTGCCCTAATTCAGCAT
<b><i>Duox2</i></b>	rs217232017	CCTGTGGATGGACTTCCTGT	CCATTGGAGGCTAAGACCAG
	rs27453362	TGGTGGGTGACTCAACAGAG	TTTTCTGACCTCCCCCTCTT
	rs32841329	GGGGTCCACATTGGAGACAG	TGTGTCAACCAGTGGCATCT
	rs27453345	GGTGTTCGTTGCTCTACCA	TGTGCATGCTGTCCTAGCTC
	rs219434625	CCAGCTGTCCCTCCAGAGAAG	CTAAGGAGAGCGGGACCG
<b><i>Duoxa1</i></b>	rs47922057	TGGTTTTGTGGGGCTCCAAT	CCTGTGTCCCCTAACCACAC
	rs27453307	AATGTCTGGAGGCAGTCTGG	TCCTCTTGCTCAGTTTGGAGA
	rs29816247	TGCTTAGGAGCAACCCAAGG	TCACCGCTGTCCCTAAATGG
<b><i>Trp53bp1</i></b>	rs27454672	AGTTGCTGCCGAGACAGTTT	TCTTGAATCCATGCTCTCCA
	rs27439904	TCCTGCAAACTCACATGAGAGAAC	TTTGTCTCCACAGGGTG
	rs29674073	AGGGAGGAAAGGAAAAGCAG	GAACCGACTCCTGAAAGCTG