

**S1 Table. Information of primers and probes for TaqMan allelic discrimination**

<b>Polymorphism</b>		<b>Sequence(5'-3')</b>
<i>DMA</i> rs1050391	Primer	F: AGGTCTTCTTCCAGGCAAGGA R: GAGCTATAGACAGGAAGTGCTGAA
	Probe	FAM-CTAGACGTAGAAGCAG-MGB HEX-AGCTAGACATAGAAGCAGA-MGB
	Primer	F: CCACCCATGCTGACAGTGA R: AGTCCATCGACAGCTGAGACA
<i>DMA</i> rs1063478	Probe	FAM-ATCATTCCGTCCTGTG-MGB HEX-CATCATTCCATCCCTGT-MGB
	Primer	F: TCGCTTGGGTGTTCCCTGTATAA R: CAGGGCCCACGTGATCTG
	Probe	FAM-TAAGCTACAAATTCTGGCA-MGB HEX-ATAAGCTACAAATTCGGGCAA-MGB
<i>DMB</i> rs23544	Primer	F: CCACTGTATTAGAGAGGACCTGGAA R: ACCACCCACTCCCAAGAAAAT
	Probe	FAM-AGATGGATTCCCC-MGB HEX-AGATGGGTTCCCC-MGB
	Primer	F: GTTGAAATCTAAGGAGGCTAGAATAGTGTA R: GGAGCGTGCTTGCTTTGAA
<i>DMB</i> rs2071556	Probe	FAM-ATTGCCAAATTTACAGCC-MGB HEX-TGCCAAATTTACATCCT-MGB
	Primer	F: CCAGGCCTTGCCAGTT R: GTAACACACAATGGGCCAAATG
	Probe	FAM-TTGGCAGCCGTCCT-MGB HEX-ATTGGCAGCCATC-MGB
<i>DOA</i> rs408036	Primer	F: TGTCGGGTGGACATGTTTAC R: GGATCCACATGGTCTGTGTTCTC
	Probe	FAM-AGAACACCGCTAACA-MGB HEX-AGAACACCGCCAACA-MGB
	Primer	F: AAAACATACAAAGAGATAAATCACCATAACC R: TGAAAACCGTAATCTGTATTGCTCAT
<i>DOA</i> rs3128935	Probe	FAM-CATAGTTTATGTCAGGACC-MGB HEX-CATAGTTTATGTCAAGACC-MGB
	Primer	F: CTTGGCTGTGGTCTGGTAACTG R: CCTTCCTAGTCCACCTCAGACCTT
	Probe	FAM-TAATCAGGTGCCATTGG-MGB HEX-TAATCAGGTGCCATCGG-MGB
<i>DOA</i> rs376892	Primer	F: GAAAGAAAGGAACAGGGCATGAC R: GGC GGGAAGGTCCAGAGA
	Probe	FAM-TGATGGGAACCTAGG-MGB HEX-TGATGGGAGCCTAGG-MGB
	Primer	F: GGTGCGGGTCTACAGATGGTT R: GAGCAACAGTTATTGAGGAACTAGCAT

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	Probe	FAM-TGGCCCCCATTG-MGB HEX-TGGCCCACCATTG-MGB
	Primer	F: TCCTCCATCTCAGAGCATTATGAC R: TGTTGCTCAAACAACCTTCATAGAGTTC
<i>DOA</i> rs2284191	Probe	FAM-CTTCCATAACTGTTGTCTAG-MGB HEX-TAACTGTTATCTAGTTTTCTGG-MGB
	Primer	F: GTCCTGTTTCAGAGTCATCCACTTT R: TCCTCATCATCATGGGCACAT
<i>DOA</i> rs6913008	Probe	FAM-CCCAGACTCCCGG-MGB HEX-CCCAGACTCCTGG-MGB
	Primer	F: TGATCCTTCTGAGAGAAATGACTTGT R: CACAGCGGGATGCACTTAAA
<i>DOA</i> rs2582	Probe	FAM-TGTGACAGACCCTGC-MGB HEX-TGTGACAGCCCCTG-MGB
	Primer	F: CAGCCTGGTGACAGAGTGAGA R: TCACCCAGACCTACTGAATTAGAATCT
<i>DOA</i> rs416622	Probe	FAM-AGACAGCCCCCTGT-MGB HEX-AGACAGCCTCCCTGTT-MGB
	Primer	F: GTCACCCGTGGAGGCACTA R: AACGTCCCTTAATCCCAGTCCTA
<i>DOA</i> rs453779	Probe	FAM-AGGAACAGGCCCTG-MGB HEX-AGGAACGGGCCCTG-MGB
	Primer	F: TCACACAAAGAGGGTTTCTGTTACTG R: GAATAAGTTGAAATCAATGACCAGAAGA
<i>DOA</i> rs1044429	Probe	FAM-TGAGATGATTCTCCTCCAC-MGB HEX-TGAGATGATTTTCTCCTCCAC-MGB
	Primer	F: TCTCTTGCCTCCGTTCTCATTC R: TGCTACATATTTCTAAAAGCCACTCTCATA
<i>DOB</i> rs2857111	Probe	FAM-TCCCCTCCCTGGAGA-MGB HEX-CTCCCCTCCCTAGAG-MGB
	Primer	F: CAAGGGCATTGTCCAGAAACTC R: GCTGGACCACAGAAAAGTAAATGA
<i>DOB</i> rs11244	Probe	FAM-ACTCCTTCCAGTCCCA-MGB HEX-CTCCTTCCAGCCCCA-MGB
	Primer	F: TTACCAGACACGTTTAGAATGGATTC R: GAGTTCACAGCACATTGTAATTATTGG
<i>DOB</i> rs1383258	Probe	FAM-AGAAGAGATGAGAGAGTC-MGB HEX-CAAGAGAAGAGACGAGAG-MGB
	Primer	F: GAAGCCAGAAAAACAGCGATTTAT R: AGGGGACCCACCCAGAAC
<i>DOB</i> rs2071469	Probe	FAM-TGAATTTTATGAACTCATTC-MGB HEX-TGAATTTTATGAGCTCATTC-MGB
<i>DOB</i> rs2071472	Primer	F: GACTGGATTCCTCCATGACTCAA R: CATGCCAATTCTTGCATACACA

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	Probe	FAM-AACAGAGCAATTGTT-MGB HEX-AACAGAGCAATTATT-MGB
<i>DOB</i> rs7383287	Primer	F: CGTAATTTACCAGGCATGGGTTT R: CAGTCAGCCTTTGCCTGAATC
	Probe	FAM-TTCCAGAAGATTTG-MGB HEX-TTCCAGAAGACTTTG-MGB
<i>DOB</i> rs2856997	Primer	F: CCAAATCCAATGCTAGCTAGAGAAA R: ATGGGCTGTGAGAATCTGTAACC
	Probe	FAM-CATGGAGTTACCCCC-MGB HEX-CCATGGAGTTACCACC-MGB
<i>DOB</i> rs2071471	Primer	F: CATGCCAATTCCTGCATACACACT R: GGTGGCTCTGCTAGTGAATCTGA
	Probe	FAM-CTGGAGAATCTGTGC-MGB HEX-CTGGAGAGTCTGTGC-MGB
<i>DOB</i> rs2071475	Primer	F: GGCCTCTCTGGGTACACTGTCA R: GGTTTTCTTTCACGGTGTCTCAT
	Probe	FAM-CTAGGAAGGGAGGAAA-MGB HEX-ACTAGGAAGAGAGGAAA-MGB
<i>DOB</i> rs2856995	Primer	F: CTCCCCTCCCTAGAGAATCCA R: AAGAAACAGAATGGGATTCAACAGA
	Probe	FAM-TGTCTGGTATGTCTCTAA-MGB HEX-TGTCTGGTAAGTCTC-MGB
<i>TAP1</i> rs1135216	Primer	F: CACACATGTGGCTATACCGTTCTC R: TCGCTGACCCCTGACA
	Probe	FAM-TGCAGAGGTAGGCG-MGB HEX-TCTGCAGAGGTAGACG-MGB
<i>TAP2</i> rs1800454	Primer	F: CCTGGAACGCGCCTTGTA R: CCTTTCACAACCACTCTGGTATCTT
	Probe	FAM-TGCTCGTAAGGAGG-MGB HEX-CTGCTCATAAGGAGG-MGB
<i>LMP2</i> rs17587	Primer	F: TGAACCGAGTGTGTTGACAAGCT R: GCTGAACCAGAGAGTGCACAGT
	Probe	FAM- CTGCACGAGCGCA-MGB HEX- CTGCACGAGCACAT-MGB
<i>LMP7</i> rs2071543	Primer	F: GCGACCCTCCACTCCTCA R: GGACACTACAGTTTCTCTATGCGATCT
	Probe	FAM- CCGACCTTCATTCC-MGB HEX- CCGACCTGCATTC-MGB
<i>tapasin</i> rs9277972	Primer	F: GTCTAGGTCCTTCAGGTAGAAGTAATCTTT R: CTAAGTGAAATTGCATACTGTTTTACTCTAC
	Probe	FAM-CCTATAAGGTTAACTGTTCT-MGB HEX-CCTATAAGGTTAACTGTTCT-MGB
<i>tapasin</i> rs1059288	Primer	F: TGGGCCTTAGGTCCCTATGC R: AAGTGATCGTGTGAGTCGTCGTT

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<i>tapasin</i> rs2282851	Probe	FAM-CAGACAGGCCGGTC-MGB
		HEX-ACAGACAGGCCAGTC-MGB
	Primer	F: CTCATTCTTGAATTATCTGCACAGT
		R: GCCCAGGAGTCAGAAGCTTTT
	Probe	FAM-CCACGTCTCAGCCTA-MGB
		HEX-CCACGTCCCAGCCT-MGB

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