

Locus	I ¹ (bp)	Forward Primer ²	Reverse Primer ²	Probe ^{2,3}
<i>HFE2</i>	97	gggatccagttgtcgattca	agctgtctgcgaatgattatag	aaactgtaaccctgggaaccatgt
<i>CPT2</i>	106	ccagcagtgaaacctggg	ctgggtaggaagagacattgc	cctgtggctctgatggcttgggt
	125	tacgggcagataaacacaaa	cagttgtcatgacagcatacc	cctgtggctctgatggcttgggt
	151	cctgcatcgggcagataaa	aagagacattgcagcctatcc	cctgtggctctgatggcttgggt
	179	gatcatcttgctgagctctac	aagagacattgcagcctatcc	cctgtggctctgatggcttgggt
	199	tacgggcagataaacacaaat	ctaaggccttccacacatt	cctgtggctctgatggcttgggt
<i>KCNS3</i>	252	tgaccgacactgtttgctctg	aactcccggcattgcg	cctgtggctctgatggcttgggt
	101	gcttatcgctatctcctcttg	catccaattctccatcctcatt	cgttca cagca tgtcggagtcca
	124	tcctcctgagcgtgggt	caatgacgcgactcca	cgttca cagca tgtcggagtcca
	154	gtactgctgtccgctaag	aatgacgcgactcca	cgttca cagca tgtcggagtcca
	178	ggtagcctccggaagaaa	cttccagcaccgcat	cgttca cagca tgtcggagtcca
	233	gtgctggcctcactgt	acagccaa cgtggcactaga	cgttca cagca tgtcggagtcca
<i>ACADM</i>	278	ccagcgtactgctctg	aa cgtggcactagaaggaaata	cgttca cagca tgtcggagtcca
	101	gatgttcagactagaggaaattgt	agctccattgcaacttt	ttaattggtagcggagctgtttc
<i>MRPS9</i>	100	aacgtgaaacttacacagagga	gtttctgactcttccactca	cttttctatgttgaactctcaactctgc
<i>SLC25A12</i>	106	gatcacatcgggtgatacagac	gaaaccaagcaactagga	tttgcagctgcaaacgtggc
<i>GRIK2</i>	99	gacctttgctcttgatgttg	gatggagagactgtggtatt	aacacactgatacggtagggct
<i>RPP30</i>	98	gggaaggaaagtagacagatgtt	gaagccatctctgactcttag	agcaaaagtaaacaggaagacacttgg
<i>CNOT2</i>	113	ggaaatgatagaaccactcca	tattatgctggcagctctct	agcatgacgactcagggttaggt
<i>SLC6A15</i>	98	gttctgctgctcaacttat	cctctaa gttcagggctctttc	accctctctcttataaggta cagatgc
<i>LAT</i>	97	cgctctggactgagctga	aggtagcctgggtgtgata	cccagaaccagcctgtgaggat
<i>KRT9</i>	92	gctggccttacttgataag	gtcctcttctgtgta ccaatc	attctccaggctgtttggcctc
<i>BCKDHA</i>	105	caccagtgacgacagttcag	cctggctcagcagatagtg	ccgctcgggtgagatgcaatta
<i>D4S1652 (Standard)</i>	144	aatccctgggta cattatattg	cagacattcttattctta cctcc	at+Ctat+Cta+T+Ctat+Cta+Ct
<i>D4S1652 (Optimized)</i>	146	ggaaacctcgggta cattatattg	cagacattcttattctta cctcc	at+Ctat+Cta+T+Ctat+Cta+Ct
<i>D3S1234</i>	111	cctgtgagacaaagcaagac	gacattaggcacaaggctaa	a+Ca+Ca+Ca+Ca+c+Ac
<i>D3S1300</i>	247	agctcaacttctagtcagcct	gaatgcaaatccccagatg	a+Ca+Ca+Ca+Ca+c+Ac
<i>D3S1300sh</i>	128	agctcaacttctagtcagcct	ccacatgacgtcctttgtagt	a+Ca+Ca+Ca+Ca+c+Ac
<i>D3S4010</i>	108	caactccaccactgcaatc	tccctgttttgggaatctt	a+T+Catca+T+Catca+T+Catc
<i>D3S1228</i>	86	tccttaactctttctgtgagttg	tctaggaaaggga ttggaagga	a+Ca+Ca+Ca+Ca+c+Ac
<i>TERTx2</i>	124	gaccaagcacttctactc	ggaaaccaagaagatggtctc	agagagctgagtaggaaggaggc
<i>RH13724</i>	119	tcagaatcatttctcaatagcc	actccaggagcactcaaat	a+Ca+Ca+Ca+Ca+c+Ac
<i>D7S2550</i>	259	aagttcaattgtctcggtt	agtctcctgctcaacact	a+Ca+Ca+Ca+Ca+c+Ac
<i>EGFRx28</i>	100	cattagctcttagaccacagac	caaaaggaa tgcaacttccaaa	tgcaactgttcaaccgactagcca
<i>D8S1788</i>	209	agttcaagcctagttcataaaag	aagactccta atgtcta ttttctag	a+Ca+Ca+Ca+Ca+c+Ac
<i>CSMD1x5</i>	93	cccttcagactcagagaacaac	agctgaa agtca gtagaagacc	cggactgacactgga ccaattct
<i>D8S1774</i>	262	tgcataggtgctgactttg	cctgaggcctaggca tta ttg	a+Ca+Ca+Ca+Ca+c+Ac
<i>MYCx2</i>	94	gagacatgggaaaccagagtt	gagaagcctccacatac	ccggacgacgagacttcaaaa
<i>CDKN2Ax1</i>	120	ggagccttcggctgact	atcggcctccgaccgtaa	tattcgggtgctgttggcagc
<i>D9S1748</i>	125	caactcaga agtcagtgagtt	gtgcttgaatacaactttcc	a+Ca+Ca+Ca+Ca+c+Ac
<i>D9S1751</i>	178	ttgtgattctgcttcaaatgttttaac	cgtaa agtctctattaca cagag	a+Ca+Ca+Ca+Ca+c+Ac
<i>D9S171</i>	175	agcta agtgaacctactctgtct	accctgacatgaggtagtct	a+Ca+Ca+Ca+Ca+c+Ac
<i>CCND1x5</i>	113	gaggatgttcataaaggccagta	ctgtaacataaaaggcagaagg	a+Ca+Ca+Ca+Ca+c+Ac
<i>D11S971</i>	111	aggacacagcctgactctag	accaggca ttgactaaaag	ttcat+T+Cat+T+Cat+T+Cattca
<i>H14A713</i>	191	aacccaaaccacagataacc	gtgccgactgatacaagg	a+Ca+Ca+Ca+Ca+c+Ac

¹ Amplicon lengths determined from primer blast (www.ncbi.nlm.nih.gov/tools/primer-blast/) and/or from the UCSC genome browser (<https://genome.ucsc.edu/>). For microsatellite biomarkers with a reported size range, the amplicon length used is the median of the range.

² Sequences reported in 5' to 3' direction. LNA bases are identified by capitals and a preceding + symbol.

³ All DNA AND LNA probes were labelled with either 5' FAM or 5'-HEX. DNA probes contained an internal ZEN quencher and a 3'-IBFQ, while LNA probes contained only a 3'-quencher (IBFQ or BHQ1).