

Additional File 5

<b>GENE<sup>a</sup></b>	<b>PCR primer forward</b>	<b>PCR primer reverse</b>	<b>Tem. PCR (°C)</b>	<b>Pyrosequencing primer</b>	<b>CpG number</b>
<i>ABCB1_1</i> [GenBank:AY910577] Nt 114132-114333 -859 to -657	5'- TTTTGGAAATTTAATTTGT TT	5'-Biotin- CTACTTCTTTAAACTTAA AAAAACC	53	5'- GATTGGTTGGGTAGGA	7
<i>ABCB1_2</i> [GenBank:AY910577] Nt 114583-114800 -408 to -191	5'- TTAGATTTAGGAGTTTTTG GAGTAG	5'-Biotin- AAAACAAAATTAAAAAT CTAACAAC	58	5'- TGGTATTGGATTATGTTGTT	10
				5'- TGGGTGGGAGGAAGT	10
<i>ABCB1_3</i> [GenBank:AY910577] Nt 114826-115077 -165 to +186	5'- ATAGGAAAGTTTTGTAG TGTTTAT	5'-Biotin- CAAACCTAATTACCTTTTA TTATTCAATTTA	58	5'- GGTTAGAGTAGTTGGGGTA	5
				5'- AGAGGTTAGTTTTATTTTAA	5
				5'- TAAAAATAAAACAAAA	3
<i>ATM_1</i> [GenBank:AY220758] Nt 1301-1610 -549 to -283	5'- GAGGGTAATAATATGATT AAAATT	5'-Biotin- AAACTCTCACCCACCCTC TTC	56	5'- CGTTTTYGTAGAGAAAGA	8

<i>ATM_2</i> [GenBank:AY220758] Nt 1591-1808 -302 to -89	5'- AAGAGGGTGGGTGAGAGT TT	5'-Biotin- AACRCCCACTTCTAAAAA AAA	56	5'- GGTGAGAGTTTTYGGAGT	12
				5'- TTGGGGTAGTGTTTTGA	8
				5'- GTTGGTTATTGGTGGATA	11
<i>ATM_3</i> [GenBank:AY220758] Nt 1784 – 1953 -107 to +60	5'- GTTTTTTTTTTAGAGAGTG GG	5'-Biotin- AAAAAATCAAAATAATAT CAACC	56	5'- GGGYGTTGGGTAGT	8
				5'- GTTAAAYGGAGAAAAGAAGT	9
<i>BRC1_1</i> [GenBank:AC135721] Nt 32624-32929 -1508 to -1202	5'- GGTTAGTTTAGAGAGGGG TTTTATAG	5'-Biotin- TCACACTAAAAAATTTA AAAAAATTCAAA	59	5'- GGGGTTTTTATAGYGTAGTG	10
				5'- GTATTTTGAATTATAGATTT	6
				5'- ATTAAAAYGATTAGTTGTT	3
<i>BRC1_2</i> [GenBank:AC135721] Nt 33805-34101 -324 to -30	5'- TTTTATGGTAAATTTAGGT AGAATTTT	5'-Biotin- TATCTAAAAAACCCAC AACCTATC	58	5'- TTTGAGAGGTTGTTGTTTAG	11
				5'- GGGTGGTTAATTTAGAGTTT	4
				5'- GGAATTATAGATAAATTA	6
<i>BRC1_3</i> [GenBank:AC135721] Nt 34447-34726 +302 to +593	5'- AGGAGTTTTAGATTAGTTT GATTAA	5'-Biotin- CTAACACCTCTTCTCCA CAAAATC	58	5'- GAGTTTTAGATTAGTTTGAT	5
				5'- GGAGGTTGAGGTAGGAGA	8

<i>CDH3_1</i> [GenBank:AC126773] Nt 138584-138801 +31 to +248	5'- GGGTTTGTTTTAAAGTTTT G	5'-Biotin- TTTACAAAACTCAACCT CTATCTC	62	5'- TTTAAAGTTTTGGGATAATA	8
<i>CDH3_2</i> [GenBank:AC126773] Nt 138802-139071 +249 to +548	5'- GAATAGTTTTAGAAAAGT TAGGAGAG	5'-Biotin- AAAAACCCCATAACTAC AAAAAAA	59	5'- GAGYGTAGGAGGGTATT	8
				5'- GYGTTGGATTAATTAGTA	10
<i>CDH3_3</i> [GenBank:AC126773] +875 to +1156	5'-Biotin- AAAGGTAAGATTTTAGG GTGGAAT	5'- AACTAAATAAAAACTC AACCATCC	63	5'- AATCAAAATAACAATAACT	9
<i>CDKN2A</i> [GenBank:AF527803] Nt 19893-20154 +118to +380	5'- GAGGGGTTGGTTGGTTAT TAGA	5'-biotin- TACAAACCCTCTACCCAC CTAAAT	64	5'- TGGTTATTAGAGGGTG	7
				5'- GAGGGGGAGAGTAGGTAG	6
				5'- GGGGAGTAGTATGGAGTTTT	8
				5'- GGGTYGGGTAGAGGA	9
<i>CXCR4</i> [GenBank:AF005058] Nt 1854-1607 +752 to + 1000	5'-Biotin- GGTGTTAAAGGGGAGGTT AAATTAT	5'- ATACCAATCTCCCAACAC AATAAAC	61	5'- AAACRAATAAACCCAC	7
				5'- ATAACAACAATAAAAATTA	12
				5'- CRCRAATAAATCCTACAAT	3
<i>ESR1_2</i> [GenBank:AY425004] Nt 2426-2736	5'- GTAGTTTAAAGATTTTTTGT GAG	5'-Biotin- CCAAATAATAAAACACC TACTAACC	61	5'- TATTTGGATAGTAGTAAGTT	13

+449 to +759				5'- YGTTAAYGYGTAGGTT	8
				5'- TTYGTTGATGTTATTGTATT	5
<i>ESR1_3</i> [GenBank:AY425004] Nt 2858-3201 +881 to +1224	5'-Biotin- GGAGAAGGGAGAGTTTAG GGAGTTG	5'- ACCCCCAACTTTAAATAC CAAAAAAC	66	5'- CCCCCRAACTAAACC	13
				5'- AAAATACRTTTTTTTCAACT	11
<i>FBXW7_1</i> [GenBank:AC023424] Nt 114261-113965 -1464 to -1168	5'-Biotin- TTTTAAAGGAGTAGTTTTT ATTGTTT	5'- CTAACCTTTTTCCCCTT CCAAC	57	5'- TTTGTTTTYGAAGGAAAT	7
<i>FBXW7_2</i> [GenBank:AC023424] Nt 112933-112706 -948 to -649	5'- TTGAAAAGATTTAGGAAG AGGAAAAG	5'-Biotin- AAACCACTCACACTTTTA AAAAAAA	62	5'- AGGAAAAGAGGAGGT	10
				5'- GGTTGTYGTTTGTTTA	9
				5'- GAAGGGAATTAATTTATTTT	5
<i>FOXC1_1</i> [EMBL:AL034344] Nt 64529-64798 -1152 to -8568	5'-Biotin- GGTTTTTATTTTTTATTGG TTGT	5'- CCTTCCAAAAAAGCTCTAC CCTAAAC	62	5'- GCRTCACCTTTTCTC	5
<i>FOXC1_3</i> [EMBL:AL034344] Nt 65513-65727 +354 to +568	5'- TAAGTAGGGTTGGTAGAA TAGTATT	5'-Biotin- ACAACCTATCCTTCTCCT CCTTATC	62	5'- TTCGGATTTTTATAATATGT	9
<i>GSTP1_1</i> [GenBank:AY324387] Nt 1670-1970 +3 to +304	5'- GAAAGAGGGAAAGGTTTT TT	5'-biotin- CCATACTAAAACTCTAA ACCCCATC	58	5'- GTAGTTTTYGTATTAGTGA	6
				5'- GGATTATTTTTATAAGGT	8

<i>GSTP1_2</i> [GenBank:AY324387] Nt 1670-1970 +3 to +304	5'-biotin- GAAAGAGGGAAAGGTTTT TT	5'- CCATACTAAAACTCTAA ACCCCATC	58	5'- CGAACCTTATAAAAAATAATC	7
<i>IGF2 DMR2</i> [GenBank:AF517226] Nt 7978-7724- +15856 to +16111	5'- GGGAAAGGGGTTTAGGAT TTTTAT	5'-biotin- ATAATTTACTCCCCCTTC AACCTC	60	5'-GATTTTTATYGGAAGTA	5
				5'-GGGTYGATAYGTTTTTTT	8
				5'-TTTTATAGTATAGAGAGAGT	3
<i>MLH1</i> [GenBank:AY217549] Nt 1504-1800 -564 to -268	5'- GGGAGGTTATAAGAGTAG GGTTAA	5'-Biotin- TCTCAACTCTATAAATTA CTAAATCTCTTC	61,4	5'- GAGAGGAGGAGTTTGAGA	5
				5'- TTTTTATTGGTTGGATATTT	11
				5'- AAAACGAATTAATAGGAAGA	8
<i>PPP2R2B_1</i> [GenBank:AF152102] Nt 1804-2020 -445 to -229	5'- AGGTAGGGAGTTAGGGGT TTTG	5'-Biotin- CTCTTTCCCAACAACAAT AATAACC	62	5'- GGGGTTTTGGGTGTT	7
				5'- ATTTGAATTTGTAAGTTAGT	7
<i>PPP2R2B_3</i> [GenBank:AF152102] Nt 3012-3336 +516 to +838	5'- AGTTTGTTGTTAATGGAG GAGGATAT	5'-Biotin- AATCCCTAAAAACCATTT TAACTCC	62	5'- AATGGAGGAGGATATTGA	6
				5'-AAGGTAAYGTTAGTTT	11
				5'- GGTTTTAGGGTTG	10
				5'- CGGTAGTTTTAGTGTATT	10
<i>PTEN_2</i> [GenBank:AF67844] Nt 22468-22791	5'- ATATTGGGTATGTTAGTA GAGTTTG	5'-Biotin- CAAACCTCCATCATAACT ACAACCTC	62	5'- TGGYGGGATTTTTTA	10

-98 to +227			62	5'- TGGYGGGATTTTTTA	10
				5'-TTTGGGGATTTTG	3
				5'-TTYGTATTTAGAGTTAT	12
<i>PTEN_3</i> [GenBank:AF67844] Nt 22893-23149 +586 to +843	5'- TTGTTATTATTTTAGGGT TGGGAA	5'-Biotin- CTAAACCTACTTCTCCTC ACAACC	62	5'- GTTGGTATATTTAGGGATT	13
				5'- CGTYGGYGGAGGTA	6

<sup>a</sup> Positions for the transcription start site are given with reference to one isoform only and should therefore be taken with care.