

Screening forward primer

Modified forward primer

800 810 820 830 840 850 860 870

Wildtype CGGTGGTGGT[•]TTTGGATGC[•]CCGCACGGGG[•]AAATCCTCGC[•]CTTGGCCAAT[•]ACGCCCGCT[•]ACGATCCCA[•]ACAGACCCGG[•]C[•]

XXXIVG.....T..T.....A...T.....T.....T..G.....A.....T.....

XXXVIIIT.....T.....T.....T.....T.....T.....T.....T.....T.....

LA-AG.....G.....G.....G.....G.....G.....G.....G.....G.....

880 890 900 910 920 930 940 950

Wildtype CGGGCAGAC[•]AGCGAACAGC[•]GCGCAACCGT[•]GCCGTAACCG[•]ATATGATCG[•]AACCTGGTTC[•]GGAATCAA[•]ACC[•]GGTTCGTGAT[•]

XXXIV .A.....A...T...C.....C.....C.....T..C..G..G.....TACC..

XXXVIIIT.....T.....T.....T.....T.....T.....T.....T.....T.....

LA-AT.....C.....C.....C.....C.....T..C..G..G.....TACC..

RTPCR probe

960 970 980 990 1000 1010 1020 1030

Wildtype TGCGAAGGC[•]ATTGGATGCG[•]GGCAAACCG[•]ATTTGAACGA[•]ACGGCTGAAT[•]ACGCAGCCTT[•]ATAAAATCGG[•]ACCGTCTCCC[•]G[•]

XXXIV ...C..A.....T.C.....GTG...GCA.C...TACAT.C.....C.T.....C.....TT..G..A...

XXXVIII ...C..A.....T.C.....GTG...GCA.C...TAC.T.C.....C.T.....C.....T...G..A...

LA-A ...C..A.....T.C.....GTG...GCA.C...TAC.T.C.....C.T.....C.....T...G..A...

Screening reverse primer

1040 1050 1060 1070 1080 1090 1100 1110

Wildtype TGCGCGATA[•]CCCATGTTTA[•]CCCTCTTTG[•]GATGTGCGCGG[•]CATTATGCA[•]GAAATCGTCCA[•]ACGTCCGCA[•]CAAGCAA[•]ACT[•]G[•]

XXXIV .A.AA.....C...T..TA.....A.....T.....T..C..T.....T

XXXVIII ..AA.....C...T..TA.....A.....T.....T..C..T.....T

LA-A ..AA.....C...T..TA.....A.....T.....T..C..T.....T

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