**原序列**

CAGGCCAATA CGTTGTGAAT GAGTACTCCC GTCAACATAA TTT**G**AATATC TAT**G**ACGGGG GTG

AGCTGCGCAA CACAACGCGG CAATGTGGAT GATAATTTTT CATTAACTAG AGTAACGAAT ACTACTTTGC CCCGATATTT ATTATTGTT CAGCATCAC ATATTAGCTT AATGCTTCGG TGAAATCGCG CGAATTTAAC

TTTTATAAC TTAGAGTTGA GTAACTTAGA GTTTTATG GAGCAAAACC TCTGTAAATA AATCGAATTT ATCGGT

**e2 r allele** in sequencing

TAAAATGAGT ACTCCCGTCA ACATAATTTG AATACGGGGG TGA**G**CTGCGC AAC**G**CGGCAA TGT

GGATGATAAT TTTTCATTAA CTATAGTAAC G**A**ATACTACT TTGCC**C**GAT **A**TTTATTATT GTTCAGCATC

ACATATTAGC TTAATGCTT CGGTGAAAT CGCGCGAAAT TAACTTTTAT ATTGCA AAGAGT TGAGAAACTT

AGAGTTTTA TGGAGCAAAA CCTCTGTAAA TAAATCGA ATTTATCGGT AAAGTAAAGC GCGACTTGGA

**Wt allele** in sequencing

CAGGCCAATA CGTTGTGAAT GAGTACTCCC GTCAACATAA TTT**G**AATATC TAT**G**ACGGGG GTG

AGCTGCGCAA CACAACGCGG CAATGTGGAT G**A**TAATTTTT CATTA**C**TAG **A**GTAACGAAT ACTACTTTGC

CCCGATATTT ATTATTGTT CAGCATCAC ATATTAGCTT AATGCTTCGG TGAAAT TTCGCG CGAATTTAAC

TTTTATAAC TTAGAGTTGA GTAACTTAGA GTTTTATG GAGCAAAACC TCTGTAAATA AATCGAATTT