

ndr1^{cz35}

Nature of the mutation

cz35 contains a molecular lesion due to 1.9-kb insertion that disrupts the gene after codon 30 of the ORF and leads to translational termination 83 codons thereafter (Feldman et al., Nature 395: 181-185, 1998).

Genotyping assay

The reverse primer (**cz35_ins**) anneals to the insertion that causes the mutation, and the forward primer (**cz35_fwd**) anneals to the adjacent genomic region flanking the insertion.

Primers:

cz35_fwd: 5' GAG CTT TAT TTC AAT AAC TGC GTG 3'

cz35_ins: 5' ATA TAA AAT CAG TAC AAC CGC CCG 3'

PCR program (55_30_40):

- 1_94°C for 3 min
- 2_94°C for 30 s
- 3_55°C for 30 s
- 4_72°C for 40 s
- 5_Go to step 2 (above) for 34 cycles
- 6_72°C for 5 min
- 7_8.0°C hold
- 8_END

Product size: 266 bp

The 266 bp product is specific for the *cz35* mutant genomic DNA. No PCR product is generated for wild-type genomic DNA.