

Whirler PCR protocol EMMA No. 1296

We use the Mit markers D4Mit17 and D4Mit244 to genotype whirler mice. D4Mit17 is deleted in whirler mice and D4Mit244 is polymorphic between *wi/wi* and *wi/+* mice. D4Mit17 is 144bp. In hets D4Mit244 is 110 bp and in homozygous mice it is slightly bigger around 130 bp. It is same size in wild type and het mice. I use an annealing temperature of between 55 and 58°C.

The primer sequences are as follows:

D4Mit244 forward primer: CAAAATATCTGACAAAAACAAGTGTG

D4Mit244 reverse primer: GGTGTCATCACCATGATGGA

D4Mit17 forward primer: TGGCCAACCTCTGTGCTTCC

D4Mit17 reverse primer: ACAGTTGTCCTCTGACATCC