

PDx1^{tm1.1Cvw} PCR Genotyping Protocol

Primers:

Pdx (-2377) - 5' - GGC TGA CTT TGG CCT CTC TA

Pdx (-1878) - 3' - AGC GAG ACT TGG GAC AAA GA

Reaction mix:

0.5 ul DNA

2 ul Sigma Red Taq buffer

2 ul 10mM dNTPs

0.4 ul 20 uM Pdx (-2377)-5'

0.4 ul 20 uM Pdx (-1878)-3'

0.4 ul Gu Taq (a "homemade" taq polymerase. Others may work as well, though Sigma Red Taq does not).

14.3 ul H₂O

20 ul final volume

Program:

95° – 7 min

95° – 30 sec

58° – 45 sec

72° -60 sec

72° – 10 min

2-4 = 38 cycles

Band sizes:

wt = 499 bp

mut = 260 bp