

Genotyping K133 (Msx3-iCre)

PCR mix:

House Taq	1.0 µl
10x PCR Buffer	2.5 µl
25mM MgCl ₂	2 µl
20mM dNTPs	0.25 µl
Dbx1GenF1	0.2 µl
Msx3GenR2	0.2 µl
H ₂ O	17.35 µl
DNA	2 µl

Alternative mix

House Taq	1.0 µl
10x PCR Buffer	2.5 µl
25mM MgCl ₂	1.5 µl
20mM dNTPs	0.25 µl
Dbx1GenF1	0.2 µl
Msx3GenR2	0.2 µl
H ₂ O	17.35 µl
DNA	2 µl

Amplification programme:

Use Eppendorf (UDF154)
or MWG (F154-1MIN):

94°C	4mins	
94°C	30sec	
59°C	45sec	x37
72°C	1min	
72°C	10mins	
10°C	forever	

Use Eppendorf, MWG or Techne
E162 programme

94°C	4mins	
94°C	30sec	
60°C	45sec	x36
72°C	1min	
72°C	10mins	
10°C	forever	

PCR products expected:

WT None
+/Tg ~1000 bp
Tg/Tg ~1000 bp

Primers:

Dbx1GenF1	GAA ACC TGG ACT CTG AGA CTG GG
Msx3 GenR2	GGC TGT CCA ATA ACC GAA GAC G