

## GCaMP3 genotyping PCR protocol (detection of the wild type band)

### Taq-Pol PCR

	Stock [ ]	Vol to add (uL)	Final [ ]
HotStarTaq	2x	7.5	
primer F10	2.5uM	3	0.5uM
primer R10	2.5uM	3	0.5uM
template DNA		1.5	
<b>TOTAL</b>		<b>15</b>	15

HotStarTaq	Qiagen	203443
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Program: Temperature	Time	
94°C	2 min	
94°C	25 sec	x 35 cycles (30 repeats)
50°	25 sec	
72°	20 sec	
72°	3 min	
4°	forever	

## EXPECTED BANDS

Description	Band Size
wild type	604

Primers					
Primer	5' Label	Sequence 5' --> 3'	3' Label	Primer Type	
GCaMP3 F10	-	CCA AAG TCG CTC TGA GTT GTT ATC	-	Wild type Forward	
GCaMP3 R10	-	GAG CGG GAG AAA TGG ATA TG	-	Wild type Reverse	