

## Murine Genetics Analysis Laboratory

BW 5/17/2006 UCDavis

all primer sequence 5' - 3'

<b>10464 cpg1</b>	1X (uL)
H2O	17.425
betaine 5M	6.5
10X Buffer with 15mM MgCl <sub>2</sub>	3
DMSO	0.325
10 mM dNTPs	0.5
10464F1 20uM atcgcatcagtgggcctcaa	0.5
10464R1 20uM tgtgaggacacacgggatgaat	0.5
Taq	0.25
total cocktail	29
template	1
reaction volume	30

<u>Controls:</u>	<u>Results:</u>
water	no band
template DNA	511bp

### Cycling Parameters:

Temp C	Time
94	5 min
94	15 sec
65	30 sec
72	40 sec
94	15 sec
55	30 sec
72	40 sec
72	5 min
4	forever

10X (decrease 1C/cycle)

30X

sequence with 10464-S1 ttcggaagctgaggatgaatt

WT SNP ID = cgcc**T**ccag

MUT SNP ID = cgcc**C**ccag

Found at position ~175 of sequencing

<p>PCR controls ntc and wt sequence only diagnostic samples</p>
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