

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30442
MMRRC Strain Name	B6;129P2- <i>Gabpa</i> ^{Gt(XH074)Byg} /Wjl/Mmnc
Gene Name(s)	GA repeat binding protein, alpha (<i>Gabpa</i>)
Breeding Protocol(s)	Sib-mating (Heterozygous pairs)
Protocol Date	10/21/13

MMRRC# 30442 PCR Reaction

Thermal Cycler:

Step 1: 95°C for 30 sec

Step 2: 56°C for 30 sec

Step 3: 72°C for 1 min

Cycles: 36

Taq: **Apex and ChromaTaq Buffer**

Bands: WT: 400bp

Trapped: 320bp

	<u>1X</u>
DNA	1.0
10X Buffer	2.5
10mM dNTPs	1.0
30 uM Primer 1&2&3	1.5
Taq	1.0
ddH ₂ O	<u>16.0</u>
25mM MgCl ₂	2.0

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (30uM total).

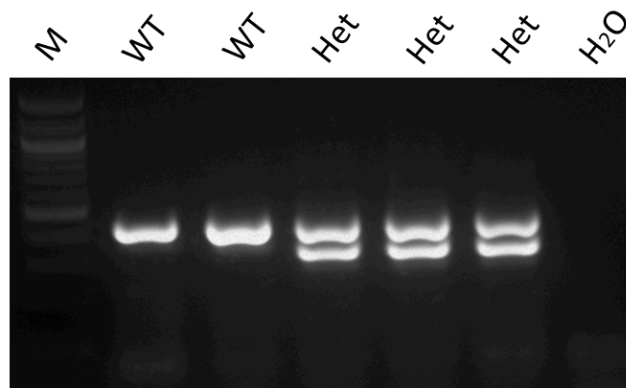
Trap-com: AGG AGA CTT AGC TCG CTT CTC TGG

Trap-wt: GAG CAG GAG GAC ATC TGT GAG GAC

Trap-vec: CGA TAC GGG AGG GCT TAC CAT CTG G

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Run on 2% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)