**LSL-Cas9-Mmw Genotyping**

<https://www2.jax.org/protocolsdb/f?p=116:5:0::NO:5:P5_MASTER_PROTOCOL_ID,P5_JRS_CODE:16482,026816>

Primers:

Wild type-F: TGG CAG TTT GAC ACA TCC TG

Common-R: ATC TGG GGC CAT AAA TGC T

Mutant-F: CCG CCA CTC GAC GAT GT

**Mix for 20ul**

2ul 10xPCR Buffer with MgCl2

0.4ul dNTP

1.5ul Primer mix (20uM each)

0.05ul Homemade Taq (Pink)

14ul H2O

2ul tail DNA

**PCR program:**

1. 94C for 2min
2. 94C for 20 sec
3. 60C for 15sec
4. 72C for 30sec
5. Repeat 2-4 for 29 cycles
6. 72C for 2min
7. 10C hold

WT band : 373bp

Mut band: 400bp