Jax Generic Cre (Hotmaster)

Ingredient:	1 Reaction: (uL)	Master Mix Total (uL):
10X Buffer (Hotmaster)	3	**0**
dNTPs (20mM)	0.3	**0**
Cre-F (20uM)	1.5	**0**
Cre-R (20uM)	1.5	**0**
Int + Cont F (20uM)	1.5	**0**
Int + Cont R (20uM)	1.5	**0**
DMSO (2.5%)	0.5	**0**
Taq Polymerase (Hotmaster)	0.2	**0**
H_2O	18	**0**

Sample Strain/ID Info:

Sample Total:	Control Total:	Error Total:

Total # of Sample Tubes: 0

Add **28** uL master mix + **2** uL DNA (100ng/ul) per reaction tube
Total Volume: 30uL

Thermocycling:

94°C: 3 minutes

94°C: 30 seconds 51.7°C: 30 seconds 72°C: 1 minute	**x 35**

72°C: 2 minutes
10°C: ∞

Run on 3% gel for best resolution!

Expected Product Sizes:
Transgene: ~100bp
Internal Positive Control: 324bp

Primer Sequences:
IMR1084 (Cre-F) 5'-GCG GTC TGG CAG TAA AAA CTA TC-3'
IMR1085 (Cre-R) Rev 5'-GTC AAA CAG CAT TGC TGT CAC TT-3'
Int + Control F 5'- CTA GGC CAC AGA ATT GAA AGA TCT -3'
Int + Control R 5'-GTA GGT GGA AAT TCT AGC ATC ATC C-3'