

## Genotyping Protocol for $GATA4^{flbio}::Rosa26^{BirA}$ Mice

### ***Rosa26-BirA genotyping (Jax Stock No. 010920)***

bpBirA-F	GCGGAATAGACAAACAGGGGG
bpBirA-comm-R	AAAGGCAAGCACCACCACTGGCTGG
bpBirA-wt-F	GACTTGTGGGATACAGAAGACCAATG

knockin 800bp, wt 230bp

### ***GATA4<sup>flbio</sup> (Jax Stock No. 018121)***

genotype-Gata4-F	TTACTCCCTCATTCCCTCCCCAAC
genotype-Gata4-tg-R	CCCATCACCTTTATCGTCATCGTCTTTG
genotype-Gata4-wt-R	TGCCTCACTGTGCTGTGCTTGC

wt 523bp, knockin 294bp

### ***PCR program for both***

95c 3min  
95c 30s  
60c 30s  
72c 30s 35cycles.  
10c forever.

Polymerase: GoTaq (Promega) or Kapa (Kapa)