

# Reproduction and Life Span of FucciS/G2/M#474 Mice

RBRC02704 B6.Cg-Tg(FucciS/G2/M)#474Bsi

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## Reproductive Performance (I)

### Productive mating :

Genotype of Parents (female x male)	Pregnancy Rate	Number of pairs examined
Homozygote x Homozygote	94%	17
B6 Wild-type x Hemizygote	90%	10
Hemizygote x B6 Wild-type	100%	4
Hemizygote x Hemizygote	100%	2

(G?+N10~N11F9, Sep 2010 ~ Sep 2013)

\*Number of females gave birth at least one time / Total number of females observed

# Reproductive Performance (2)

## Litter size :

Genotype of Parents (female x male)	Mean litter size* $\pm$ SEM	Number of litters
Homozygote x Homozygote	8.6 $\pm$ 0.3(SE)	48
B6 Wild-type x Hemizygote	7.8 $\pm$ 0.4(SE)	37
Hemizygote x B6 Wild-type	6.1 $\pm$ 0.7(SE)	18
Hemizygote x Hemizygote	7.3 $\pm$ 1.4(SE)	6

(G?<sup>+</sup>N10~N11F9, Sep 2010 ~ Sep 2013)

\*Total number of pups / Number of litters

## Mortality Rate

Sex (Genotype)	Mortality rate (Date of death)	Number of mice examined
Female (Hemizygote)	14% (208 days)	7
Female (Homozygote)	17% (84-148 days)	18
Male (Hemizygote)	10% (187 days)	10
Male (Homozygote)	0%	16

(G?<sup>+</sup>N10~N11F9, Sep 2010 ~ Sep 2013)

\*Within 3 months old