

Reproduction of Fucci 504 and 596Tg

RBRC02706 B6.B6D2-Tg(Fucci)504Bsi

RBRC02707 B6.B6D2-Tg(Fucci)596Bsi

RBRC02892 B6.Cg-Tg(Fucci)504Bsi Tg(Fucci)596Bsi

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Reproductive Performance (I)

Productive mating :

Strain Name Mating System	Pregnancy Rate	Number of pairs examined
B6-Fucci Tg#504 Homozygote x Homozygote	77%	22
B6-Fucci Tg#596 Hemizygote x Wild-type	100%	25
B6-Fucci Tg#504, 596 504: Homozygote x Homozygote 596: Hemizygote x Wild-type	90%	10

(2011 ~ 2012)

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

Reproductive Performance (2)

Litter size :

Strain Name Mating System	Mean litter Size (pups)	Number of litters examined
B6-Fucci Tg#504 Homozygote x Homozygote	6.1±0.3 (SE)	54
B6-Fucci Tg#596 Hemizygote x Wild-type	6.8±0.3 (SE)	66
B6-Fucci Tg#504, 596 504: Homozygote x Homozygote 596: Hemizygote x Wild-type	5.4±0.4 (SE)	24

(2011 ~ 2012)

*Total number of pups / Number of litters

Reproductive Performance (3)

Weaning rate :

Strain Name Mating System	Weaning Rate	Number of litters examined
B6-Fucci Tg#504 Homozygote x Homozygote	84.6%	43
B6-Fucci Tg#596 Hemizygote x Wild-type	92.7%	51
B6-Fucci Tg#504, 596 504: Homozygote x Homozygote 596: Hemizygote x Wild-type	83.1%	24

(2011 ~ 2012)

*Number of pups weaned / Total number of pups