

Reproduction and Life Span of B6-p53 KO Mice

RBRC01361 B6.CB-Trp53^{<tm1Sia>}

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Reproductive Performance (I)

Productive mating :

Genotype of Parents (female x male)	Pregnancy Rate	Number of pairs examined
Heterozygote x Heterozygote	92%	26
Heterozygote x Homozygote	89%	9
Wild-type x Heterozygote	100%	4
Wild-type x Wild-type	88%	8

(N20<, Jul 2010 ~ May 2011)

*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 (pups)	Number of litters
Heterozygote x Heterozygote	5.7±0.3(SE)	78
Heterozygote x Homozygote	4.6±0.6(SE)	15
Wild-type x Heterozygote	6.9±0.6(SE)	19
Wild-type x Wild-type	7.0±0.5(SE)	20

(N20<, Jul 2010 ~ May 2011)

*Total number of pups / Number of litters

Reproductive Performance (3)

Weaning Rate :

Genotype of Parents (female x male)	Weaning rate	Total Number of pups
Heterozygote x Heterozygote	74%	78
Heterozygote x Homozygote	54%	43
Wild-type x Heterozygote	81%	90
Wild-type x Wild-type	100%	70

(N20<, Jul 2010 ~ May 2011)

*Total number of pups weaned / Total number of pups

Date of Death

Sex	Mean \pm SEM (range)
Male	148.7 \pm 11.3 days, n=7
Female	No Data

(N20<, Jul 2010 ~ May 2011)