

Reproduction and Life Span of ICR-p53 KO Mice

RBRC01348 ICR.Cg-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	83%	6
Heterozygote x Homozygote	50%	4
Heterozygote x Wild-type	100%	3
Homozygote x Homozygote	50%	2
Homozygote x Heterozygote	67%	3

(Jul 2005 ~ Oct 2006)

*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	10.1±0.8(SE)	15
Heterozygote x Homozygote	8.0±0.0(SE)	2
Heterozygote x Wild-type	12.8±0.3(SE)	9
Homozygote x Homozygote	5.0±0.0(SE)	2
Homozygote x Heterozygote	5.4±0.9(SE)	8

(Jul 2005 ~ Oct 2006)

*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	89%	151
Heterozygote x Homozygote	100%	16
Heterozygote x Wild-type	81%	115
Homozygote x Homozygote	50%	10
Homozygote x Heterozygote	95%	43

(Jul 2005 ~ Oct 2006)

*Total number of pups weaned / Total number of pups

Date of Death

Sex	Mean \pm SEM (range)
Male	117.3 \pm 17.6 days, n=3
Female	140.8 \pm 24.4 days, n=6

(Jul 2005 ~ Oct 2006)