

Breeding Characters

BALB-IL5/Venus KI Mice

RBRC04945 C.129S4(B6)-Il5<tm1Ktk>

Inquiries: Kazuyuki Mekada, Ph.D.
(Experimental Animal Div., RIKEN BRC / animal@brc.riken.jp)

07-Jan-2014

Reproductive Performance (I)

Productive mating :

Genotype of Parents (female x male)	Pregnancy Rate	Number of pairs examined
Heterozygote x Heterozygote	100%	9
Wild-type x Heterozygote	60%	5
Heterozygote x Homozygote	60%	5
Homozygote x Heterozygote	44%	9
Wild-type x Homozygote	100%	3
Homozygote x Wild-type	100%	1

N10F1+N1F0~F6, Oct 2011~Dec 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
Heterozygote x Heterozygote	6.5 \pm 0.4	48
Wild-type x Heterozygote	5.3 \pm 0.7	7
Heterozygote x Homozygote	7.7 \pm 0.3	12
Homozygote x Heterozygote	5.5 \pm 1.1	6
Wild-type x Homozygote	6.2 \pm 0.6	14
Homozygote x Wild-type	5.0 \pm 1.0	2

N10F1+N1F0~F6, Oct 2011~Dec 2013

*Total number of pups / Number of litters

Reproductive Performance (2)

Weaning Rate :

Genotype of Parents (female x male)	Weaning rate	Total Number of pups
Heterozygote x Heterozygote	84%	277
Wild-type x Heterozygote	100%	12
Heterozygote x Homozygote	74%	68
Homozygote x Heterozygote	73%	26
Wild-type x Homozygote	100%	84
Homozygote x Wild-type	70%	10

N10F1+N1F0~F6, Oct 2011~Dec 2013

*Number of pups weaned / Total number of pups