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(// : // :)

Bombyx mori

Xinhang1×Koming1

Xinhang2×Koming2 Xinhang2×Koming1 Xinhang1×Y Xinhang1×Koming2

Xinhang3×Y Xinhang3×Koming2 Xinhang3×Koming1 Xinhang2×Y

103×104 31×32

101433×Y 101433×Koming2 101433×Koming1

107×110

) LD₅₀

(Baculoviridae)

BmNPV (

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(P< /)

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101433

Y Koming2 Koming1

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TX

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Baculoviridae

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NPV

(Major gene)

Minor)

(gene

NPV

()

()

(mg/cc)

SDS

(Sodium Dodecyl Sulphate)

Bombyx mori L. (Lep: Bombycidae)

rpm

NPV

SDS

rpm

()

Xinhang1×Y Xinhang1×Koming2 Xinhang1×Koming1

Xinhang2×Y Xinhang2×Koming2 Xinhang2×Koming1

Xinhang3×Y Xinhang3×Koming2 Xinhang3×Koming1

101433×Y 101433×Koming2 101433×Koming1

31×32

107×110 103×104

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(

SAS

()

LD₅₀

(GLM)

()

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()

$$y_{ijkl} = \mu + H_i + T_j + R_k + e_{ijkl}$$

:

=y_{ijkl}

=μ

1. Hemolymph در واقع خون فاقد گلبول قرمز است که در کرم ابریشم شامل سرم، پلاسما و Hemolymph. چهار نوع لوکوسیت بی رنگ (پیرولوکوسیتها، فاگوسیتها، لوکوسیتهای گلبول ساز و سلول های بزرگ) می باشد.

()

() i =H_i
 () j =T_j
 () k =R_k
 =e_{ijkl}

101433×Koming2

(P< /) (/ /)
 / /) Xinhang1×Y
 (P< /) (/

31×32

$$y_{ijkl} = \mu + H_i + T_j + R_k + M_m + e_{ijkl}$$

() =M_m
 H T

103×104 (P< /)

(/)
 (P< /) (/)
 Xinhang3×Koming2

(P< /)
 / /)
 (/

(/) Xinhang1×Koming1

(P< /)

(/) 101433×Koming2
 (P< /)

()
 ()

/ 31×32
 Xinhang1×Y

/ **** / **** / ****
 / **** / **** / ****
 / **** / **** / ****
 / / /

/ **** ()

(/) 103×104
 (P< /)

/ / /
 (P< /)

()
 ()

Xinhang2×Koming2

/ /)
 (/

/ **** / **** / ****
 / **** / **** / ****
 / / /

/ **** ()

...

:

(/ Xinhang3×Koming2 (P< /)
 .(P< /) / /)

()

	()	()	(%)				
/ cd	/ bcd	/ abcd	/ cdef	/ cde	/ a	Xinhang1×Koming1	
/ abcd	/ bcd	/ bcde	/ bcde	/ bcde	/ a	Xinhang1×Koming2	
/ bcd	/ abc	/ abc	/ f	/ f	/ b	Xinhang1×Y	
/ cd	/ cd	/ de	/ ab	/ ab	/ a	Xinhang2×Koming1	
/ abcd	/ cd	/ cde	/ abcd	/ bcde	/ a	Xinhang2×Koming2	
/ ab	/ abc	/ bcde	/ abcd	/ abcd	a	Xinhang2×Y	
/ abcd	/ bcd	/ bcde	/ abcd	/ abcde	a	Xinhang3×Koming1	
/ d	/ d	/ e	/ abcd	abcd	/ a	Xinhang3×Koming2	
/ abcd	/ bcd	/ bcde	/ abcd	/ abcde	/ a	Xinhang3×Y	
/ abcd	/ abc	/ abc	/ abc	/ ab	/ a	101433×Koming1	
/ abcd	/ cd	/ bcde	/ a	/ a	a	101433×Koming2	
/ abcd	/ bcd	/ bcde	/ abcd	/ abc	/ a	101433×Y	
/ abc	/ ab	/ a	/ ef	/ ef	/ a	31×32	
/ a	/ a	/ ab	/ abcd	abcd	/ a	103×104	
/ abcd	/ abc	/ bcde	/ def	/ de	/ a	107×110	

.(α= /)

()

()

	()	()	(%)				
/ a	/ abc	/ ab	/ cd	/ bcd	/ a	Xinhang1×Koming1	
/ a	/ abcd	/ bcdef	/ cd	/ bcd	/ a	Xinhang1×Koming2	
/ a	/ a	/ a	/ de	/ de	/ ab	Xinhang1×Y	
/ a	/ d	/ def	/ ab	ab	/ ab	Xinhang2×Koming1	
/ a	/ e	/ g	/ bc	/ cde	c	Xinhang2×Koming2	
/ a	/ cd	/ ef	/ e	/ e	bc	Xinhang2×Y	
/ a	/ bcd	/ bcdef	/ cd	bcd	/ a	Xinhang3×Koming1	
/ a	/ d	/ fg	/ ab	/ ab	/ ab	Xinhang3×Koming2	
/ a	/ abcd	/ bcdef	/ de	/ de	/ ab	Xinhang3×Y	
/ a	/ abcd	/ abcd	/ a	/ a	/ a	101433×Koming1	
/ a	/ bcd	/ bcdef	/ a	/ a	/ a	101433×Koming2	
/ a	/ abcd	/ abcde	/ bc	bc	/ a	101433×Y	
/ a	/ ab	/ a	/ de	/ cde	/ a	31×32	
/ a	/ ab	/ abc	/ bc	/ bcd	/ abc	103×104	
/ a	/ abcd	/ abcd	/ e	/ e	/ bc	107×110	

.(α= /)

()

()

						()	()
/ a	/ a	/ ns	/ d	/ a	/ ns	Xinhang1×Koming1	
/ b	/ b	/ a	/ ns	/ d	/ d	Xinhang1×Koming2	
/ a	/ ns	/ ns	/ a	/ ns	ns	Xinhang1×Y	
/ b	/ b	/ a	/ ns	/ ns	/ ns	Xinhang2×Koming1	
/ b	/ c	/ c	/ d	/ d	/ d	Xinhang2×Koming2	
/ c	/ d	/ a	/ d	/ d	b	Xinhang2×Y	
/ a	/ a	/ ns	/ a	/ d	/ c	Xinhang3×Koming1	
/ ns	/ ns	/ b	/ d	/ c	/ ns	Xinhang3×Koming2	
/ b	/ c	/ a	/ c	/ d	/ d	Xinhang3×Y	
a	/ b	/ b	/ c	/ d	/ d	101433×Koming1	
/ d	/ a	/ ns	/ a	/ d	/ c	101433×Koming2	
/ b	/ c	/ d	/ b	/ d	/ c	101433×Y	
/ a	/ a	/ ns	/ d	/ d	/ d	31×32	
/ b	/ c	/ b	/ d	/ d	/ d	103×104	
/ d	/ c	/ ns	/ d	/ d	/ a	107×110	
=ns /		=d /		=c /		=b /	=a ()

() /) Xinhang2×Koming2
(P< /) (/) Xinhang2×Y
) 107×110 (P< /) (/)
(/) Xinhang1×Koming1
.() (/) 101433×Koming2
) 101433 (P< /) (/) 101433×Koming2
(Y Koming2 Koming1 101433
101433
(P< /)

()

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(107×110 103×104 31×32)

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(101433

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.()

.()

NPV

) 101433

(101433×Koming2

()

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