

5 HJ 1 R

& R G H 1 R

1 DPH

6HFRQG <HDU ± 0DUFK

7LPH +RXU
&RRO RII WLPH 0
3UHSUDWRU\ 7LPH

3DUW ± ,,,
%, 2/2 * <
0D[LPXP 6FRUHV

* HQHUDO , QVWUXFWLRQV WR & DQGLGDWHV

x 7KHUH LV D μ&RRO RII WLPH ¶ RI PLQXDGQVLLQ HDFK
WKH ZULWLQJKRXLUPHHDFK)XUWKHU WKHUH LV
HQG RI WKH %RWDQ\ ([DPLQDWLRQ DQG EH
([DPLQDWLRQ
x 8VH WKH μ&RRO RII WLPH ¶ WR JHW IDPLOLDU ZLWK TX
x 5HDG WKH LQVWUXFWLRQV FDUHIXOO\
x 5HDG TXHVVWLRQV FDUHIXOO\ EHIRUH DQVZHULQJ
x &DOFXODWLRQV ILJXUHV DQG JUDSKV VKRXOG EH VK
x 0DOD\ DODP YHUVLRQ RI WKH TXHVVWLRQV LV DOVR SU
x *LYH HTXDWLRQV ZKHUHYHU QHFHVVDU\
x (OHFWURQLF GHYLFHV H[FHSW QRQ SURJUDPPDEOH F
([DPLQDWLRQ +DOO

39%e8j•9 Áh; • > (8#; '9j?f4jÁ

x '9j?f9Š 6,-q9'D (;/>, ?*8n"9-; 6;?38199D; 3:A# <
8)D >> o8-9.9h; í < 8># ?*8n"9 (.:d-;?45 6;
(.:d #; j;s#9';,;uD ,9'9,D #w8>/ ;t; Á ' q;s#9'8-
'°;s#8"DÍ E ?31 19À ? 8%ejÁhD 2;#8?'8
,,;•3.;,8-9 4- 39'9,- ' q8?'8 (8 9yí
x <Á 8)D >> ? 8%ejÁ (.9 ->t 8'; q.jÁ 6< f#"
> w8'; (?-8 9h; í
x '9j?f4jÁ ,;2;3'; —"8(<jx 38-9h" í
x q.jÁ 2;#;s#9'D;uD 8%ejÁ —"8(<jx 38-9h" í
x "hD <n0; Áì 9f#jÁì f 8); Áì s93 q.? (ts/9À #>
o8-9.9h" í
x ? 8%ejÁ ,0-81q90; '°g-9n;oD
x 34e,;• •0qD 6,38 ejÁ > 8 ;h" í
x ?f(8f 8,; Á > w8'8 8q 8Àh;?0,/; Á 29>-;• .
0 D?f 8"9 D (."3; (.:d87819À (?-8 9h;38¾ (8 9yí

3\$57 ± \$
%27\$1<
0D[LPXP

6FRUHV

7LPH

&RRO RII WLPH 0L

, 4XHVWLRQV WR \$QVZHU \$OO TXHVWLRQV (DFK TX

6FRUHV

6HOHFW WKH GLVHDVH UHVLVWDQW YDULHW\ RI %K

D +LPJLUL

E 3DUEKDQL .UDQWL

F 3XVD *DXUDY

G 3XVD .RPDO

8QGHU XQIDYRXUDEOH FRQGLWLRQV PDQ\]RRSODQ
NQRZQ WR HQWHU D VWDJH RI VXVSHQGHG GHYHORS

,, 4XHVWLRQV WR \$QVZHU DQ\ HOHYHQ TXHVWLR
TXHVWLRQ FDUULHV 6FRUHV u 6

2]RQH DFWV DV D VKLHOG IRU DEVRUELQJ XOWUDYI

D 1DPH WKH UHJLRQ RI DWPRVSKHUU ZKHUH R]RQH

E :ULWH WKH XQLW XVHG WR PHDVXUH R]RQH OD

0DWFK WKH IROORZLQJ RUJDQLVPV WR WKHLU OLIH

\$	%
%XWWHU O\	D
&URZ	E
3DUURW	F
7RUWRLVH	G
	H \HDUV

\HDUV

\HDUV

ZHHNV

\HDUV

7KH '1\$ IUDJPHQWV FDQ EH VHSDUDWHG XVLQJ JHO

D 1DPH WKH JHO XVHG LQ WKLV WHFKQLTXH

E :ULWH WKH QDPH RI WHFKQLTXH XVHG WR UHPF

3 \$ 5 7 ± \$
% 27 \$ 1 <
0 D [LPXP

6 F RUHV

7 LPH

& RRO RII WLPH

OL

, s; . o; ? 8 % ej Á h D >, 2 ; #; í 8 ? . 8 ? 8 % ej q 98 g : # í
? Ÿ 8 ġ 6 Du

; 3 > > 8 ; q 9.9 h ; s ' j 19 Á ' 9 s D , e < ? n 5 ¾ f * : 9 9 0 < >
f (# 9 ? . 8 & ? 4 5 9 ġ ġ 9 k > 3 o - ; > " ' ? , # D
D 7 9 9.9 E (8 ġ * 8 ' 9 f 8 r 9
F (< 6 E . 3 D G (< 6 ? 8 , Á

f (# 9 < 0 6 8 7 . ej 19 Á # 8 j 19 0 ; ; 1 j 19 0 ; o ; 3 . ; s
6 < | 8 j D' ; Á ' 9 5 f D 9 - 8 3 • - 9 ? 0 h D f (? 3 4 9 h ; s ; í E
3 • - ; > ? (> . r D"

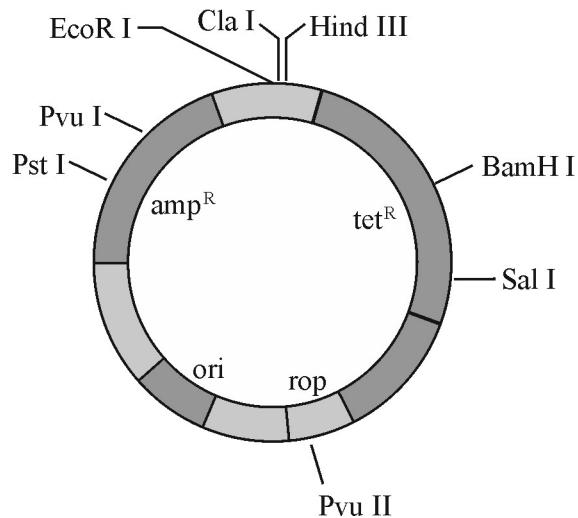
, , ; 3 > > 8 ; q 9.9 h ; s > # i 9 0 ; (# 9 > ' 8 s D ? 8 % ej Á h
q . > , 2 ; #; í 8 ? . 8 ? 8 % ej q 98 ; ġ 3 : # ? Ÿ 8 ġ 6 Du
6 < . e ' 9 Á ' 9 s D . ; s Á f 8 3 - 0 , D 9 . " j > 1 3 0 9 > k ; h ; s
3 , 8 - 9 8 ? 6 8 ½ (8 1 9 3 ġ q 9 h 8 / ; o D
D 8 ? 6 8 ½ 8 " > t ; s r : d (8 1 9 " # D
E 8 ? 6 8 ½ 1 h 8 ¾ (? - 8 9 h ; s - < # D , D

? . ; (9 ? ġ h ; : 3 9 1 3 - ; > : 3 9 # 8 0 3 ; # s 9 . 9 h s ;

	*	9
9 f # 4 0 +	D	3 ġ 5
8 h	E	3 ġ 5
# q	F	2 D
,	G	3 ġ 5
	H	3 ġ 5

> Á 0 D ? f 8 ?) 8 / 6 9 6 9 \$ < 5 " j > 1 ? 3 ġ # 9 . 9 h 8 3 ; s # 8 " D
D # 9 ' ; ? 3 o 9 (? - 8 9 h ; s > y 9 > x ? (> . 2 ; #; í
E f (± ; # > y 9 Á ' 9 s D \$? 3 ġ # 9 . 9 > k ; h 8 ¾ (? - 8 9 h ; s
6 8 ? i # 9 3 9 % e - ; > ? (> . 2 ; #; í

2EVHUYH WKH IROORZLQJ ILJXUH



D , GHQWLIV WKH ILJXUH

E : KDW GRHV URSHWLL RUL GHQRWH "

6\QHUJLGV KDYH VSHFLDO FHOOXODU WKLFNHLQLQJ
:ULWH WKH QDPH DQG IXQFWLRQ RI WKLV VWUXFWX

&RQWUROOHG EUHHGLQJ H[SHULPHQWV FDQ EH FD
:KDW DUH WKH DGYDQWDJHV RI WKLV SURFHVV "

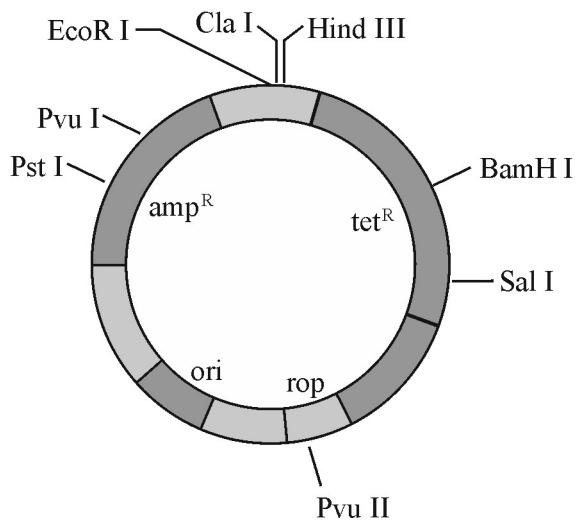
%LR IRUWLILFDWLRQ LV D SUDFWLDO DSSURDFK V
IRXU VXFK FURSV UHOHDVHG E\ , \$5,

7KH SURGXFWV RI HFRV\VWHP SURFHVVHV DUH QD
DQ\ IRXU VXFK VHUYLFHV

,Q ¶V 'HOKL UDQNHG IRXUWK DPRQJ WKH PRVW
DUH WKH SDUDOOHO VWHSV WDNHQ WR UHGXFH YHK

,QFUHDVH LQ WKH OHYHO RI JUHHQ KRXVH JDVHV C
FRQWUROOHG "

;3> > 8 ;q 9.9 h;s 9f# '9.:d 9h;



D 9f# r 8 "s D# 9.9 k / 9 - ; í

E f(±;# 9f# q 9 > 0 5 W H L W U R S lsL3 R t 9 b' 6 < 9 t 9 h; \$;

6 9' ð 9 ; 1;> >>, ?f 8 >>(0 8 ð f j 19 Å 8 " >t ; s f(? # e # .> 6 y ; 0 8 ð # 9 h ' 9 (/ 9 ; ð ? (>. r " D # 9 > ð & ð v > " r D

= f # 9 , * : 6 i 0 ' q 9 0 <> ' 9 - fr 9 # f * : (9 : d D j Å ' q ; 3 8 % 6 8 & 9 h ; í # 9 > ð ? , TM Å 3 9 4 % D 8 h ;

, ' ; 5 e . 8 4 9 - ; > ? . 8 e > , k > t ; q ; 3 8 % # ; s . ; f (8 ? - 8 6 , : (' , 8 " D * ? - 8 ?) 8 ð n 9) 9 ? h 5 % i \$ 5 , (; / q 9 / h 9 - q . q 9 0 ; • ' 8 0 D 3 9 1 1 ; > ? (> . 2 ; # ; í

3 8 6 3 e 3 • - ; > f (f 9 -- 9 0 <> o 8 ; s ; j > 10 , 3 8 6 3 e 3 • 8 ? 6 3 ' j Å s D 3 9 3 d 9 h 8 1 ; o D # i 9 0 ; ' 8 0 D 3 8 6 3 e 3 • 8 ? 6 3 ' j Å 2 ; # ; í

1 9 Å ? 0 8 q 9 > 0 , 3 ; , 0 9 ' : . 9 h > t n ' . j 1 ; > (n 9 - 9 Å ' 8 0 8 • 8 ' , 8 " D Å 7 9 h ; o 8 - 9 . ; s i # D 8 7 ' j Å , ; ? ' o 8 ; s , 0 9 ' : . " # - ; s # 9 ' ; ? 3 o 9 6 g : . 9 k ' (9 Å " > r y 8

7 . 9 # = 7 3 8 # j 1 ; > & 9 e ? 8 1 # 8 (' q 9 ' D - 8 h ; s ; í > # j > ' ' 9 - fr 9 h 8 "

* HQHWLFDOO\ PRGLILHG SODQWV KDYH EHHQ XVH
DGYDQWDJHV RI VXFK SODQWV

, Q \$PHULFDQ &RPSDQ\ (OLOOO\ SURGXFHG KX
GRZQ WKH PHWKRG IROORZH_G LQ WKLV WHFKQLTXH

3\UDPLG RI HQHUJ\ LV QHYHU EHHQ LQYHUWHG ZK\

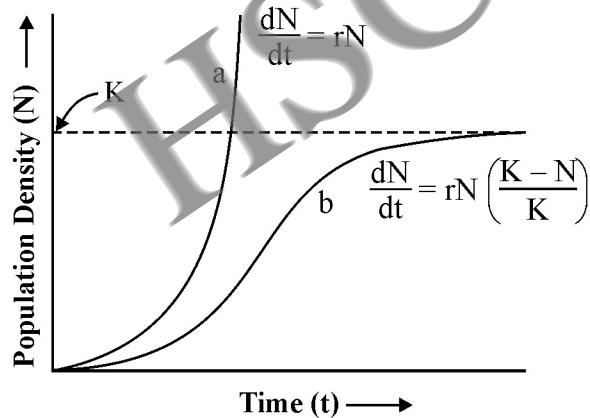
,,, 4XHVWL_RQV WR :ULWH DQ\ WZR IURP WKH IROO
FDUULHV 6FRUHV u 6FRUH

0HORLGHJ\QH LQFRJQLWLD LV D QHPDW_RGH SDUDV
,W\|V LQIHF_WLRQ FDQ EH SUHYHQWHG E\ ELRWHFKQR

D 1DPH WKH VWUDWHJ\ 6FRUH

E ([SODLQ WKH SULQFLSOH EHKLQG WKRUVHWWUDW

7KH IROORZLQJ JUDSK VKRZV WZR W\SHV RI SRSXO



D 1DPH WKH JURZW_K FXUYHV 6FRUH

E :KD_W GRHV μ. \| VWDQG IRU " 6FRUH

, Q \$QJLRVSHUPV IHPDOH JDPHWR_{SK\WH} LV NQRZ
GHYHORSPHQW

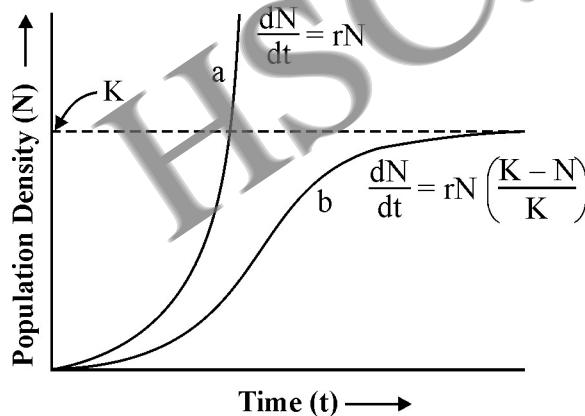
'9# ,8, 3.;q9- 66ejÁ (0 34ejÁh8-9 (?-8 9h;s;í
j>',8, 3.;q9- 66ej1;> >#i90; ?'8TØDÁ 2;#; í

À ?,.9h¾ u'9-8->>009y9 =f#9,,8-9 ¾6;09
'9¿v9k;í u'9 30 *9k '9¿v8" .:#9 394%,8h; í

#0 :28- E¿‡ (9.,99D0; 68&e,yí r;>"8oD

,, , ;#À 3>. ? 8%ej19À >#i90; .>opø9>D2;#; í
8?.8s9';?Ý8¿ 3:# ?Ý8¿6Du
(; -90>k 9-;> ?3.; >1 f ,9h;s .; '9,?//8 8"D
>,?08 9>> >' ¾>98eD E '9,>,8 9>x f ,>q
>/;h;38¾ >> 3 68?i#9 39%e-90<§ 68&9k9n;oD
D E 6fD8, 9-;> ?(>.2;#; í ?Ý8¿
E E 6fD8, 9-;> ##g 394%,8h; í ?Ý8¿6D

;3> > 8 ;q9.9h;s f(8)9À .oD #.q90;• ?(8t;?05¾ ?f
¿3; Á áD 3 '9.:d9h;



D ?f 8qD ¿3; 1;> ?(>.2;#; í ?Ý8¿6D
E µr.¶>' 6< 9t9h;§; ?Ý8¿

6(;5D(9 19À)>,-9À 8,9>,8>>),9>' f*8D-868hD
3919h;s;í E f*9?-868h9>x 3939& 31¿k8 m
394%,8h; í

3 \$ 5 7 ± %

= 22 / 2 * <

0 D [LPXP

6 FRUHV

7 LP

& RRO RII WLPH 0 L

, \$ QVZHU DOO TXHvwLRQV IURP (DFK TXHwWLRQ FD
1DPH WKH FHOOV LQ WHVWHV ZKLFK V\QWKHVL]H D

'LIIHUhQW FRQWUDFHsWLYH PHWKRGV DUH JLYHQ E

D & X 7

E 6DKHOL

F 0XOWLORDG

G /LSSHV ORRS

([SUHVVHG VHTXHQFHv LQ WKH JHQH DUH FDOOHG

D ,QWURQV

E 0XWRQV

F ([RQV

G & LVWURQV

,, \$ QVZHU DQ\ QLQH TXHvwLRQV IURP (DFK TXHvwLR
6FRUHV

, Q D FODVVURRP GLVFXVVLRQ D VWXGHQW VDLG W
IDWKHU \$ QDO\ VH WKH VWDWHPHQW DQG JLYH UHDV

'LIIHUhQW FRQWUDFHsWLYH PHWKRGV DUH XVHG

6XPPDULVH WKH QDWXUDO PHWKRG DQG EDUULHU PH

'1\$ LV WLJKWO\ SDFNHG VWUXFWXUH DQG LV IRXQG

D ([SODLQ WKH FRQFHsW RI QXFOHRVRPHV

E 'LIIHUhQWLDWH EHWZHHQ HXFKURPDWLQ DQG K

3 \$ 5 7 ± %

= 22 / 2 * <

0 D [LPXP

6 FRUHV

7 LPH

& RRO RII WLPH 0 L

, s; , ; # Á , < s; 3 >. y 8 ? 8 % ej Á h; q. >, 2; #; í 8 ? . 8 s 9' 8 ? . 8 ? Ÿ 8 ð 3 : # ? Ÿ 8 ð 6 Du

3 = 5 " q 9 > 0 ¾ ? f 8 ' ; Á (8 % D 9 t 9 h; - ; - 3 9 t 9 h; - ; > w; s ? 8 4 j 1 ; > ? (>. 2; #; í

; 3 > > 8 ; q 9 . 9 h; s ð + ' 9 ? . 8 & ' , 8 ð ... j 1 9 Á , > t n # D > m ; h; í

D & X 7

E 6 D KHOL

F 0 X O W L O R D G

G / L S S H V O R R S

: ' ; 1 9 Á D 6 6 D D > w; s 6 g : h ¾ 6 ; 1 ; > r D ? (. D

D , Q W U R Q V

E 0 X W R Q V

F ([R Q V

G & L V W U R Q V

, , , ; # Á 3 > . > # i 9 0 ; ø ? 8 % ej 1 Á h D q. >, 2; # Ÿ 8 ð . o; 3 : # ? Ÿ 8 ð 6 Du

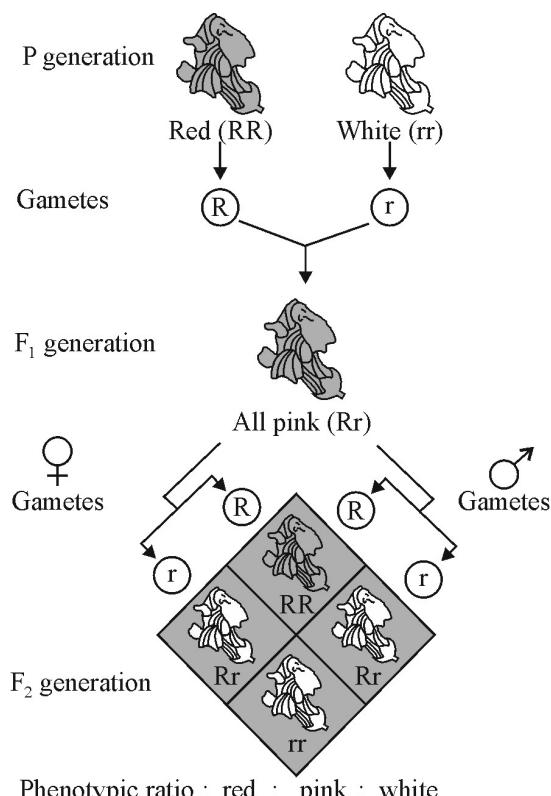
. ; 3 9 % e 8 ð • 9 / z 8 6 D k - 9 Á . ; m 9 > x 0 9 ' 9 ð p - 9 h; s # (9 # 8 3 D > " s D + 9 f (8 - > t ; s; í E f (± 8 3 ' 3 9 4 0 ' > - μ ; 8 . " j Á 2; #; í

' 6 e 8 3 9 6 D ?) 8 ' ' 9 - f r 9 h; s # 9 ' D 3 9 3 9 & #. ð + ' 9 ' , 8 ð ... j Á (? - 8 9 h; s; í ð + ' 9 ? . 8 & ' q 9 ' ; • ' 8 k ; / Á >, ? q ; * 8 . 9 - ð >, ? q ; 3 9 4 % : . 9 h; í

' 1 \$ % = ! , 8 - 9 (8 D e < z 9 ? - 8 ? 6 8 , ; 1 8 - 9 8 " > t ; s; í

D ' e < z 9 ? - 8 ? 6 8 s 4 - 3 9 4 % : . 9 h;

E - < ? f 8 , 8 , 9 ' ; > 7 , ? / 8 ? f 8 , 8 , 9 ' ; # v 9 0 ; • 3 e # e 8 6 2 ; ?



Phenotypic ratio : red : pink : white
1 : 2 : 1

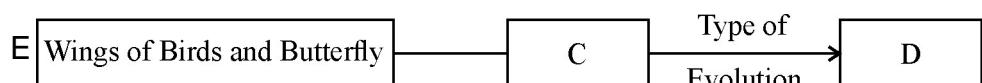
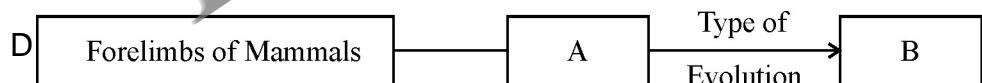
Genotypic ratio : RR : Rr : rr
1 : 2 : 1

D 2EVHUYH WKH DERYH FURVV DQG QDPH WKH SK

E :ULWH GRZQ WKH WKH RUHWLFDOO\ JLYHQ H[SO

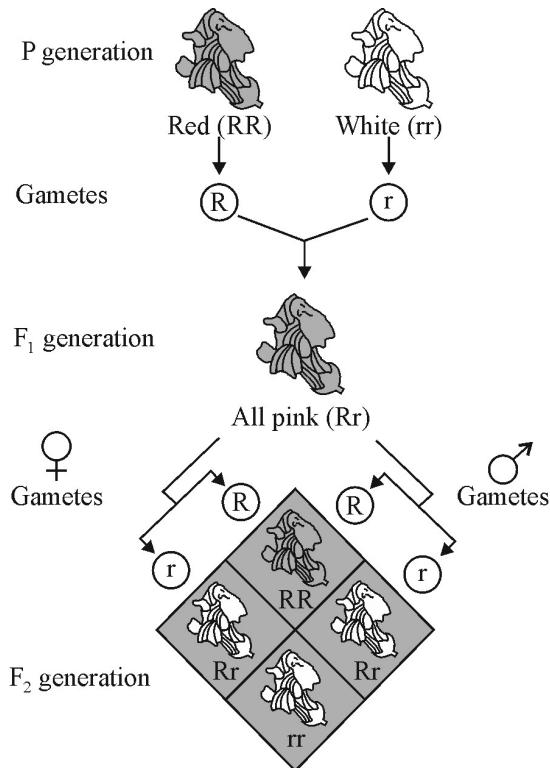
&RPSOHWH WKH ER[HV ZLWK WKH VXLWDEOH ZRUGV

>\$QDORJXV +RPRORJXV &RQYHUJHQW HYROXWLRQ



([SODLQ WKH IDFWRUV DIIHFWLQJ WKH +DUG\ :HLQE

,QQDWLH LPPXQLW\ LV D QRQ VSHFLILF W\SH RI GH
EDUULHUV &DWHJRUL]H WKH EDUULHUV DQG JLYH R



Phenotypic ratio : red : pink : white
1 : 2 : 1

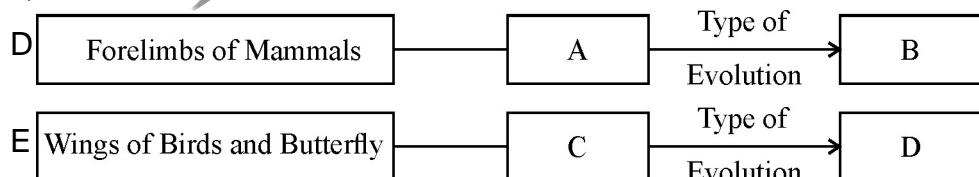
Genotypic ratio : RR : Rr : rr
1 : 2 : 1

D ; 1 9 Å > 8 ; q 9 n ; • 6 i . " ' 9 . : d 9 k ; # D f (# 9 + 8 6
2 ; # ; í

E E f (# 9 + 8 6 q 9 ' ; • >> 6 r 8 r 9 3 9 4 % : . " j Å 2 ; # ; í

8 > 2 > 8 ; q 9 . 9 h ; s 3 - 9 Å ' 9 # D 8 - 3 8 h ; Å (? - 8 9 k ;
? 8 1 j Å (< . 9 t 9 h ;

> \$ Q D O R J X V + R P R O R J X V & R Q Y H U J H Q W H Y R O X W L R Q



7 8 j - 9 3 - 9 ¾ * j ... D e ; 0 9 f * 9 - > q * 8 & 9 h ; s j Å
3 9 4 % : . 9 h ; í

6 7 , 8 - f (# 9 ? . 8 & ? 4 5 9 s ? ' 8 6 9) 9 , D - f (# 9 ? . 8 &
, 8 j ... i ' 8 0 ; # . * 8 . 9 - / ; Å , ; ? f '(- 3 8 j " 9 h ; s # D E
* 8 . 9 - / ; > 1 % 8 7 . " 6 7 9 # 3 j ... : . 9 h ; í

&RPSOHW H WKH WDEOH JLYHQ EHORZ

&ROXPQ	\pm	,	&ROXPQ	\pm	,,	&ROXPQ	\pm	,,
7\SKRLG				6WRPDK	SDLQ			
				\$				
				,QWHVWLQDO	SHUIRU	DWLRQ		
		%	5KLQR	YLUXV	6RUH WKURDW	KRDUVHQI		
0DOLJQDQW	<u>0DODUL</u>	<u>OKLOO</u>	KL&K	IHYHU				
		'	:XFKHU	H&KUDQLF	LQIODPPDW	LRQ RI O\P		

&RQVXPSWLRQ RI GUXJ DQG DOFKRKRO DIIHFWV WH
YHU\ EDGO\ /LVW WKH ZDUQLQJ VLJQV RI DOFKRKRO

,GHQWLII\ WKH GLVDGYDQWDJHV RI 51\$ RYHU '1\$ DV

&RPSOHW H WKH WDEOH ZLWK DSSURSULDWH WHUPV

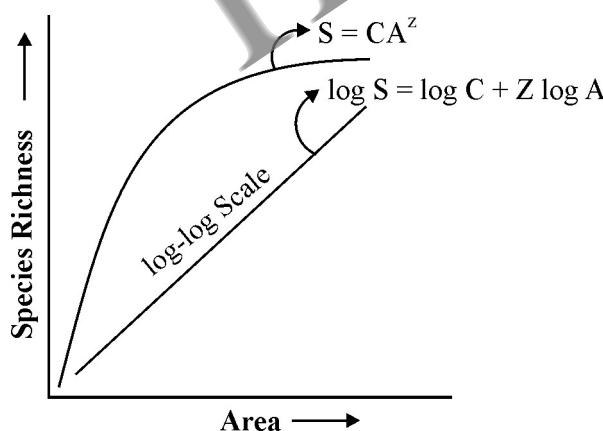
2UJDQLVP		6FLHQWL	LF QDPH	%LRDF
)XQJXV			\$ &LWULF	DFLG
	%	\$ FHWREDFWHU	DFHWL	\$ FHW
)XQJXV		7ULFKRGHUPD	SRO\VSUXP	
<HDVW			6WDWLG	

,,,

\$QVZHU DQ\ WKUHH IURP

TXHVVWLRQV (DFK TXHVV

6FRUHV



2EVHUYH WKH JUDSK DQG DQVZHU WKH IROORZLQJ

D 1DPH 6 \$ = DQG & LQ WKH JUDSK 6FRUHV

E 1DPH WKH VFLHQWLWV ZKR H[SODI6QRQGH6SHFL

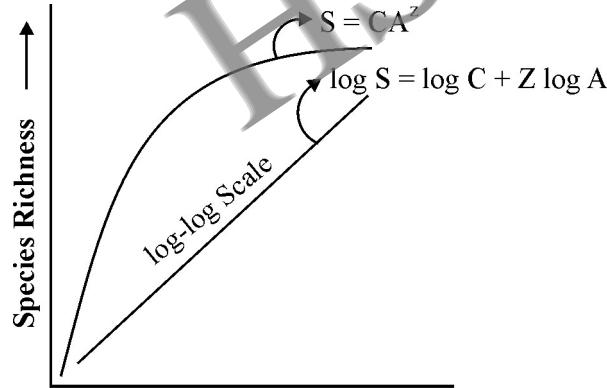
#8>2 #s9.9h;s (n9 (<?q: .9h;

&R O X P Q ± ,	&R O X P Q ± ,,	&R O X P Q ± ,,,
7\SKRLG	_____	6WRPDK SDLKQLQ \$ QWHVWLQDO SHUIRU
_____%	5KLQRY 6RUM WKURDW KRDUV	HQHVV
0DOLJQDQW	<u>0DODUL</u> OKLOO KL&K IHYHU	
'	:XFKHUH&KUDQLF LQIODPPDW	LRQ RI O\P

, % e q 9 > x - ; , - h ; , . ; s 9 > x - ; (? - 8 . . ; 3 e ^ 9 - ; > 4 8 . . 9
, 8 ' 6 9 3 ; , 8 - ? . 8 e > q ? , 8 4 , 8 - 9 * 8 & 9 h ; s ; í , % e q 9 > x -
, - h ; , . ; s 9 > x - ; % ; . ; (? - 8 q 9 > x (8 - 6 < ' Á @ 9 # D
' 9 # 3 ± ; s ' 9 0 - 9 Á 6 9 í ¾ í í > - ? (d 9 k ; í í ¾ í í
- ; • ? (8 . 8 - Á 3 9 4 % : . 9 h ; í
9 # , 8 - 3 8 h ; Á (? - 8 (@ 9 D (< ? q : . 9 h ;

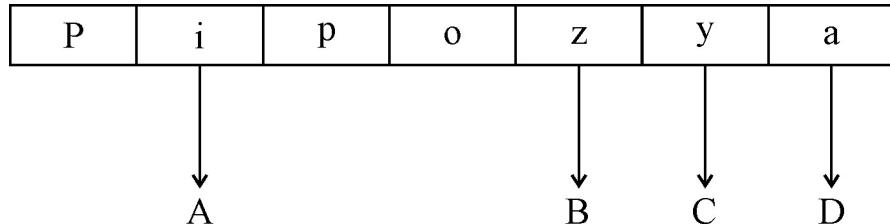
2 U J D Q L V P	6 F L H Q W L I L F Q D P H	% L R D F
) X Q J X V	_____ \$	&LWULF DFLG
_____ %	\$ F HW RED FW HU DF HW L	\$ F HW
) X Q J X V	7 U L F K R G H U P D S R O \ V S R U X P	
< H D V W	'	6 W D W L Q

, , , , ; # Á 3 > . . ; 1 1 ? 8 % e j 1 9 Á > # i 9 0 ; , ; > s p q 9 '
q . > , 2 ; # ; í , ; s ; Ÿ 8 ġ 3 : # ? Ÿ 8 ġ 6 Du



f 8) D 9 . : d 9 k DB > > 8 ; q 9 . 9 h ; s ? 8 % ej Á h D ; # ;
D f 8) 9 > 6 \$ = s & 3 r 9 > ' f (# 9 ' 9 & : . 9 h ; s ; > s 2 ; # ; í
? Ÿ 8 ġ 6 D
E 6 D : 5 e 6 D 9 - / 9 ? 0 5 ¾ 5 9 9 D % : . 9 k 4 8 f ± œ > x ? (> . 2 ; # ; í
? Ÿ 8 ġ

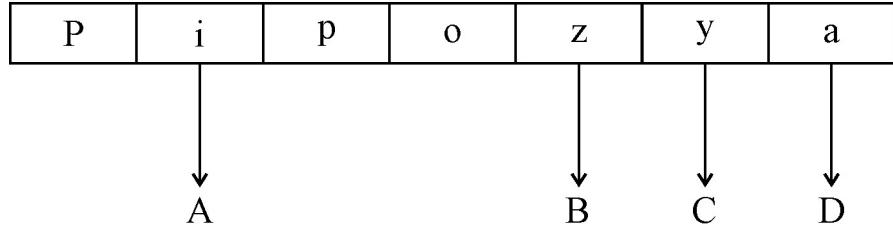
D ,Q ODF 2SHURQ ODFWRVH DFW DV LQGXFHU P
 H[SODLQ LW 6FRUH
 E 2EVHUYH WKH GLDJUDP RI ODF 2SHURQ DQG LGI
 6FRUHV



6H[XDOO\ WUDQVPLWWHG GLVHDVH 67' DUH PDLQC
 D 1DPH DQ\ WZR H[DPSOH RI VH[XDOO\ 6FWRUBQVPLW
 E ([SODLQ DQ\ WZR PHWKRGV DGRSW\ 6FGR W\HRVSUHY
 +HDPRS KLQD 6LFNOH FHOQ DQHPLD DQG 3KHQ\O .
 D :KDW GR \RX PHDQE\ OHQGHOLDQ 6FRRUHG HU "
 E :KLFK RQH RI WKH DERYH LV DQ H[DPSOH RI
 OHQWLRQ WKH FDGXVH RI WKH GLVRUG\ 6FURUV

BBBBBBBBBBBBBB

D0 8 D8(?/8"9À 088 BD ?f(. #™ 8 f# -9 f(3 q9h;s;í
 E f(±83' 390-9.;q9 394%: .9h; í ?Ý8¿
 E0 8 D(?/8"9>¤ ? . 8 9 f# '\$.: 9 k¤3' rD sD
 2;#; í ?Ý8¿ 6D



>>0 9 'e?.8 jÁ f(&8',8-; >>0 9 *Žq90<> "D
 (. ;s#Dí
 D>>0 9 'e?.8 jÁh; .oD %87." 2;#; ?Ý8¿
 E>>0 9 'e?.8 jÁ # -;s#9'; >>> 8?•o .oD
 ,8¿...jÁ 2;#; í ?Ý8¿ 6D

7:?,8):09-ì 69h9Á>6À ':,9-ì)9'-9À 9?,8'</9- s9
 >,¾? 09-¾ 9?68¿ /; Á "Dí
 D>,¾? 09-¾ 9?68¿ ¿ s8À" rD ?Ý8¿
 E,; 19À #s9.9h;s 89j6D; 19À #8"¤?*8½ /¿
 ¾ >,,?*8196" E 9?68¿ ¿ o8 8';• 8."
 394%: .9h; í ?Ý8¿ 6D

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