; 1, 2, 8 ). C

9 ,

C

( 10 ). F

11 .

H . F. ,

*C. emanei*

*C. elegan*

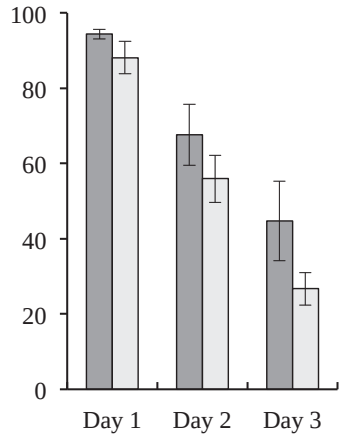
*C. emanei*

(F . 4; $F_{4,\ 248}$ = 6.73, < 0.0001). (E 464) -
. I
- ( B259) G
( B146) - ($F_{2,\ 248}$ =
132.82, < 0.0001). I
24
(F . 4 ).
G
20 % (F . 4 ).
(50-90 %)
24 (F . 4 ).

**E m m** C. elegans

*C. elegan*
23 . *fog-2* 30 ,
*C. elegan* *C. emanei*
31 .
12 *C. elegan*
60
“ -
”
*fog-2* , 60
“ - ” (
).

H -
- ( G0
G60 , $F_{1,8}$ = 37.80, = 0.0003, F . 5).
.10001




(E 464)

(F . 4). F . 40
(F . 2), *C. emanei*
(F . 4).

*C. emanei,*
*C. elegan* . I
*C. elegan* ,
24
( ., 23, 24 ). F ,

17 . F , *C. elegan*

*C. emanei* 20, 21 .

I ,

*C. emanei*

*C. elegan* 60

. F ,

*fog*-2

(F . 5).

41 ,

*C. elegan*

*lg-1*

18 .

*C. elegan* .

( ), -

*C. emanei* .

(F . 7).

5 . I

( ., 44 ). A - C

B, -

. I

. I *C. elegan* , -

. - , , *C. elegan* *C. emanei*

## C

-

*D o o hila melanoga e* 45, 46 . -

“ ” -

47–49 . - , -

*C. b igg ae* *C. nigoni* 13

. I

*C. elegan* -

*C. emanei* , 60

I , ,

*C. elegan*

*C. emanei* -

*C. elegan* .

18 . I

*C. elegan* .

–

## N m

20 C -

G *E che ichia coli*

- 50 , 50 . G

*C. elegan* *C. emanei* -

>10

. F , -

H -C
(HC) -C ( C)
HC ,
-
(*i.e.*, -
,
-
). *fog-2*
*( 71)* JK574 -
-
. *fog-2 ( 71)* -
-
*fog-2*

F E
. F *C. elegan* ,
GF -

(J 10, A I ).

C. elegans m m
- HC C
- 50 ( 7 ,
) ,
2 B , .
.
,
,
,
.

A
D D ( , , , . ),
.:10.5061/ . 13 4.

C m
The authors declare that they have no competing interests.

A
MFP and PCP designed the project. CP and MA performed the reproduction and longevity studies in *C. i.* LC and JLA performed the sperm competition and sperm size experiments in *C. i.* MFP, CW, and KA performed the experimental evolution and phenotypic assays in *C. !* . PCP analyzed the data. MFP, JLA, and PCP wrote the paper. All authors have read and approved the final version of the manuscript.

A m
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