1 (Dnmt1), s DNA s
s 4 ; s
s s ss s
I
DNA s
s s (1): ( )
( )
s (GCs),
s. I s
s
s (s)
.L s
GCs s ss
((-4 ( )3389.5((6(125) 1) (s 12)14.-31 -1329 D ( )-1 .2(16-5.2(3443(-41-13)-0.

DNA
BE 6. 7 9. I
DNA
. H DNA
.

2. DNA methylation reprogramming in primordial germ cells

GCs E7.25
10
DNA
11,12. As GCs
(1). E
GCs
DNA

A (IA),
13 15.
. E
GCs
DNA
11,13,16,17. 20
DNA
18. 19. I
0 72.9(65)2

. I
85 CG
30 7,52,60 .

3. DNA methylation reprogramming in the zygote

DNA
(1).
; DNA
DNA
61,62 .
5 C
DNA , DNM 1, 63 .
I
5 C
61,64,65 ;
5 C

D

(1). I

(D 3 GC7)

83,84 .

H3K9

85,86 . M

E 3

5 C 86

BE

41 . BE

4. Post-zygotic DNA methylation and developmental potency

D

87 . B

61 :

DNA

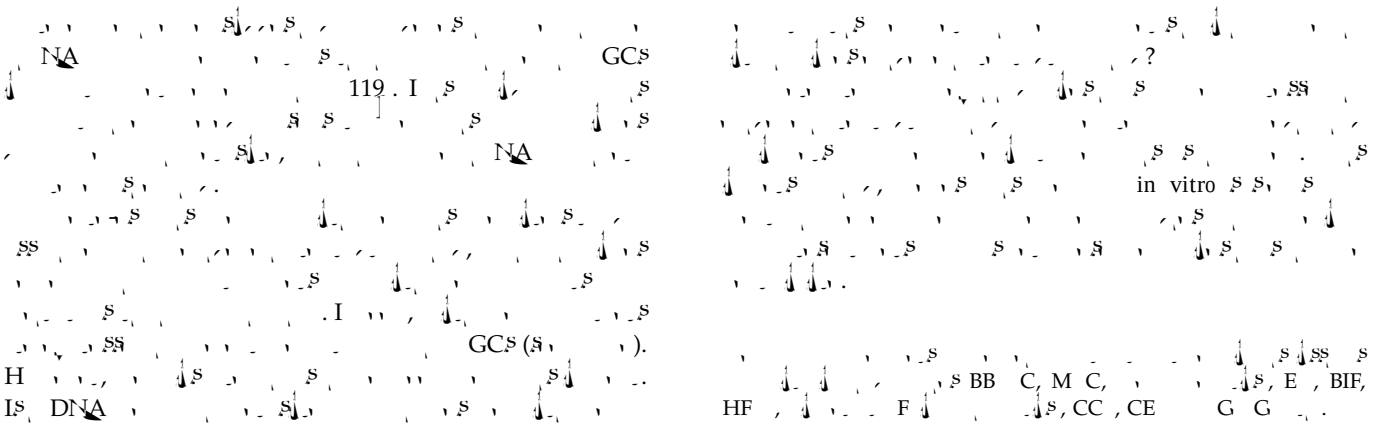
(ICM)

1). A

Elf5 88

.1

5. DNA methylation: a vital regulator of the mammalian life cycle?



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