



A \bullet - \bullet \bullet * , A \bullet - \bullet * B \bullet - \bullet *

Abstract | Condensin and cohesin complexes act in diverse nuclear processes in addition



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SMC complexes in gene expression



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b A e... ecfcc... a... a... ed IGF2-H19 a.



Cohesion in the cell differentiation.

$\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{4}$
 $\frac{1}{4} \left(\frac{1}{4} \right) = \frac{1}{16}$
 $\frac{1}{16} \left(\frac{1}{16} \right) = \frac{1}{256}$
 $\frac{1}{256} \left(\frac{1}{256} \right) = \frac{1}{65536}$

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Page 1 of 2

AE assembly*†
and DSB
formation†

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recombina

• 2018年12月31日
• 2019年1月1日
• 2019年12月31日
• 2020年1月1日
• 2020年12月31日

Conden in loading. (1)

C. (1)

(1)

1. ... 5, 6 C ... 17, 25, 263 (200).
2. ... A ... 43, 525-55 ... (200).
3. ... C ... 17, 13, 144 (200).
4. ... C, B ... 7, 31, 322 (2006).
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References 5–8 identified extensive overlaps between the chromosomal binding sites of cohesin and the mammalian insulator protein CTCF, and showed that cohesin contributes to the gene regulatory functions of CTCF.
9. ... E, B ... 28, 77 (200).
10. ... I 2, 119 ... 1, 312, 267-272 (2006).
11. ... C ... 137, 11 & 1211 (200).
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13. ... 365, 3656 (2010).
14. ... E, B ... 28, 1234-1245 (200).
15. ... I 2, 119 ... 5, 100073 (200).
References 12–15 studied the effects of cohesin depletion in cultured cells on interphase chromosome looping and transcription.
16. ... C ... 17, 20, 214 (200).
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18. ... 462, 57-64 (200).
19. ... D ... 13, 6, 7, 70 (1).
20. ... C, B ... 28, 1, 24, 1, 35 (200).
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88. **293, 1320 1323** (2001).
89. **4. C. B. 16, 75 1** (2006).
90. **5, 243 254** (2000).
91. **L. S. B. 4, 242** (2006).
92. **C. B. 16, 63 74** (2006).
93. **13, 320 333** (1).
94. **D. 22, 1 4, 1 05** (200).
95. **C 116, 53 544** (2007).
96. **D C 117, 5 66** (200).
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100. **309, 15 15 4** (2005).
101. **C. B. 187, 1 5 1** (200).
102. **C 115, 235 240** (2006).
103. **C. soma**