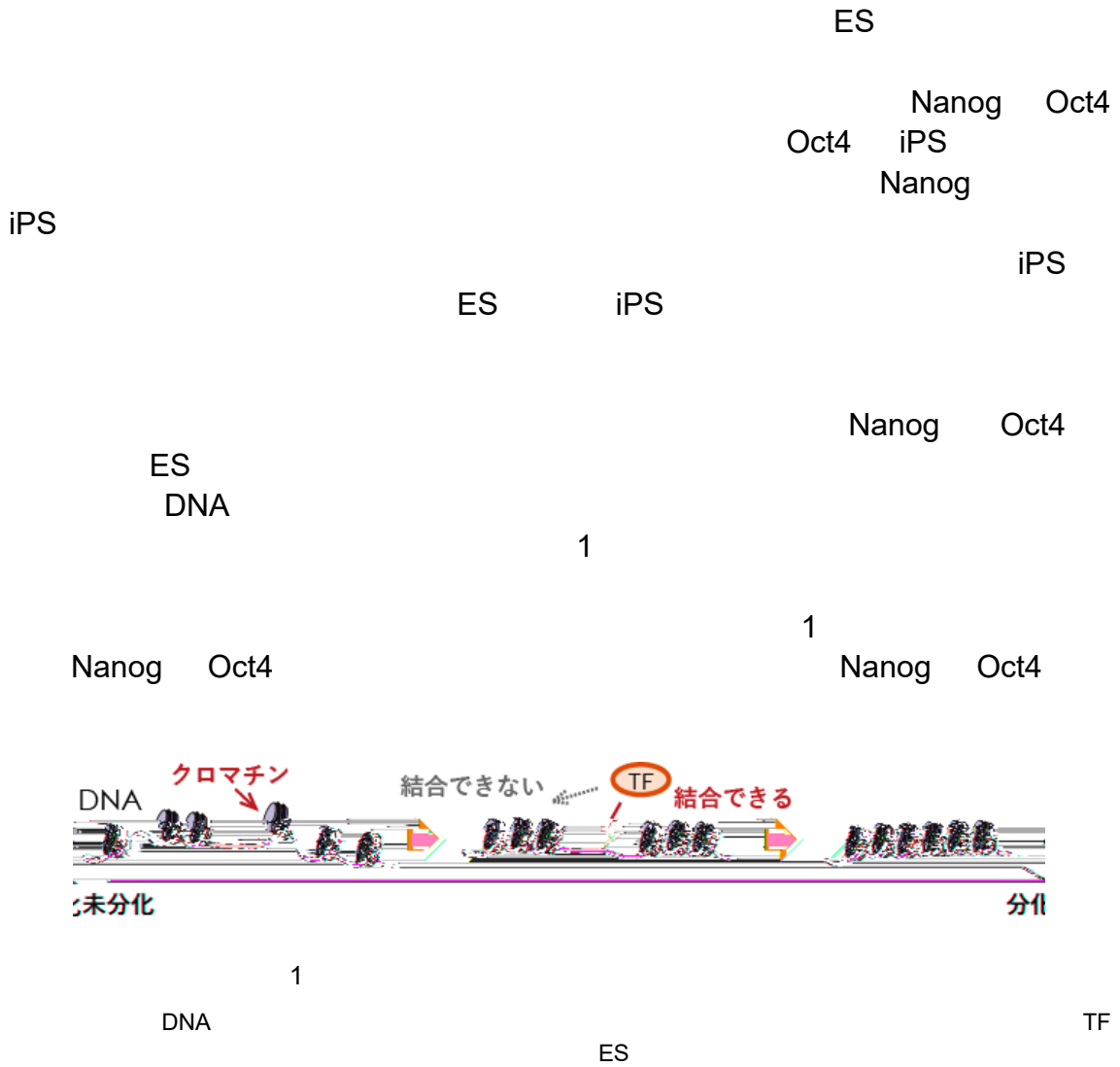






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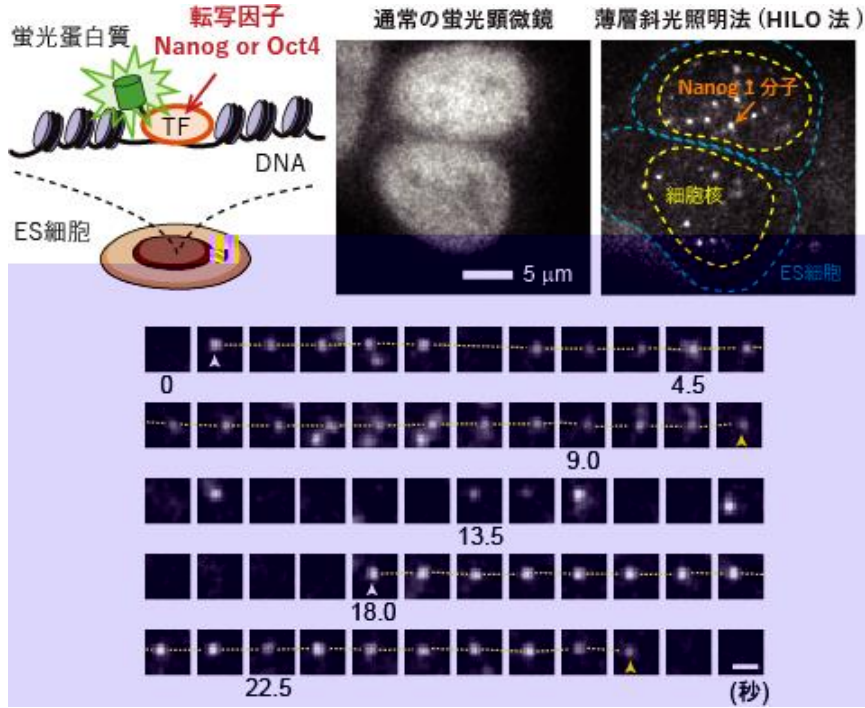
7 24



[8]

Oct4

Nanog Oct4  
2 Nanog



2 Nanog Oct4 1  
 HILO  
 ES TF  
 Nanog HILO  
 1  
 Nanog DNA  
 1  
 μm 1μm 1,000 1mm

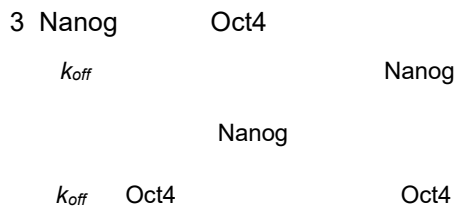
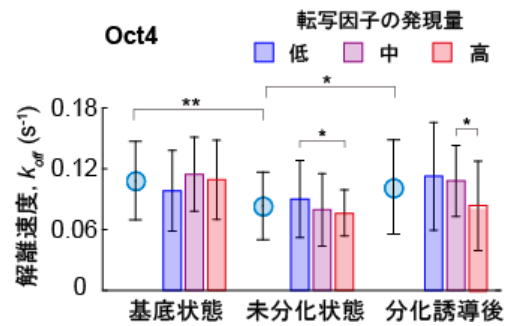
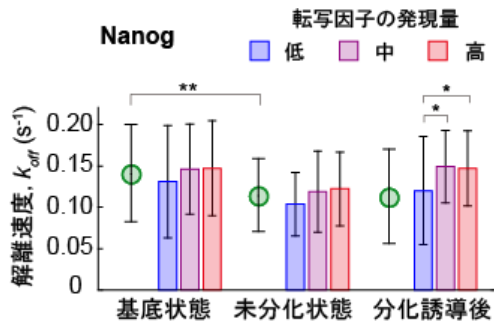
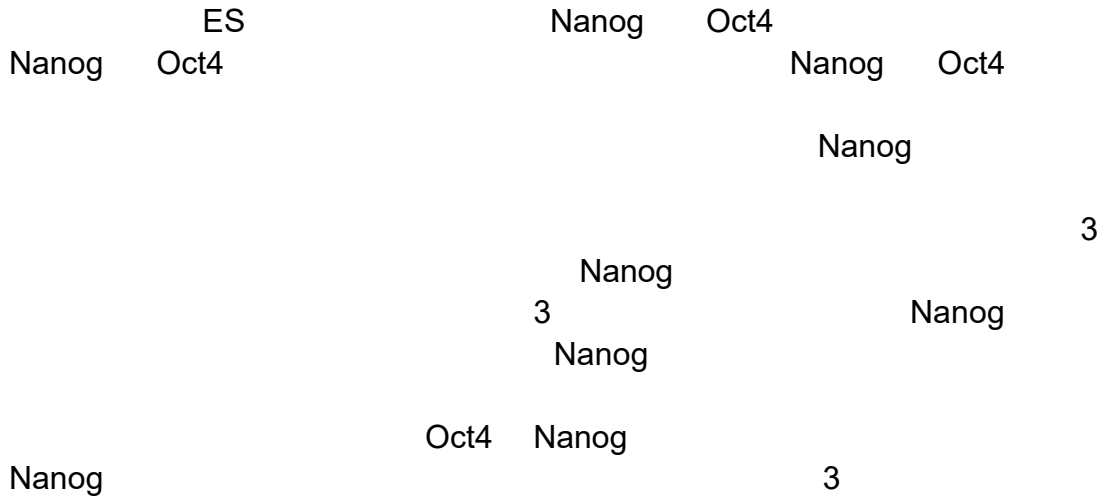
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ES  
ES

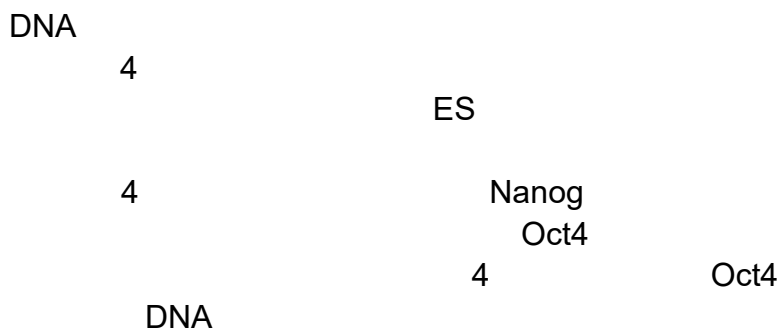
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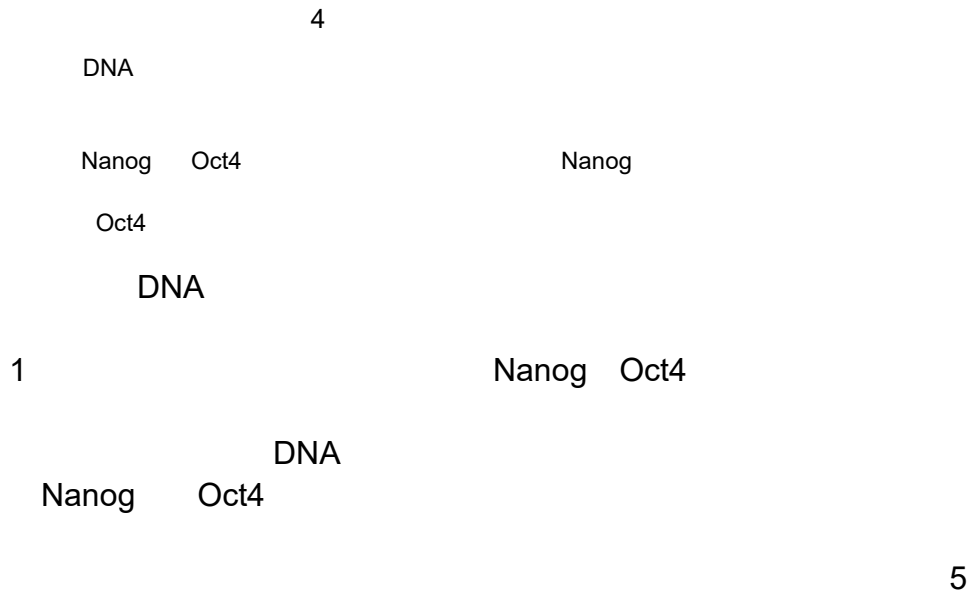
Nanog Oct4  
 1 2  
 4,000 500 500 2,000

1 SMT [10]



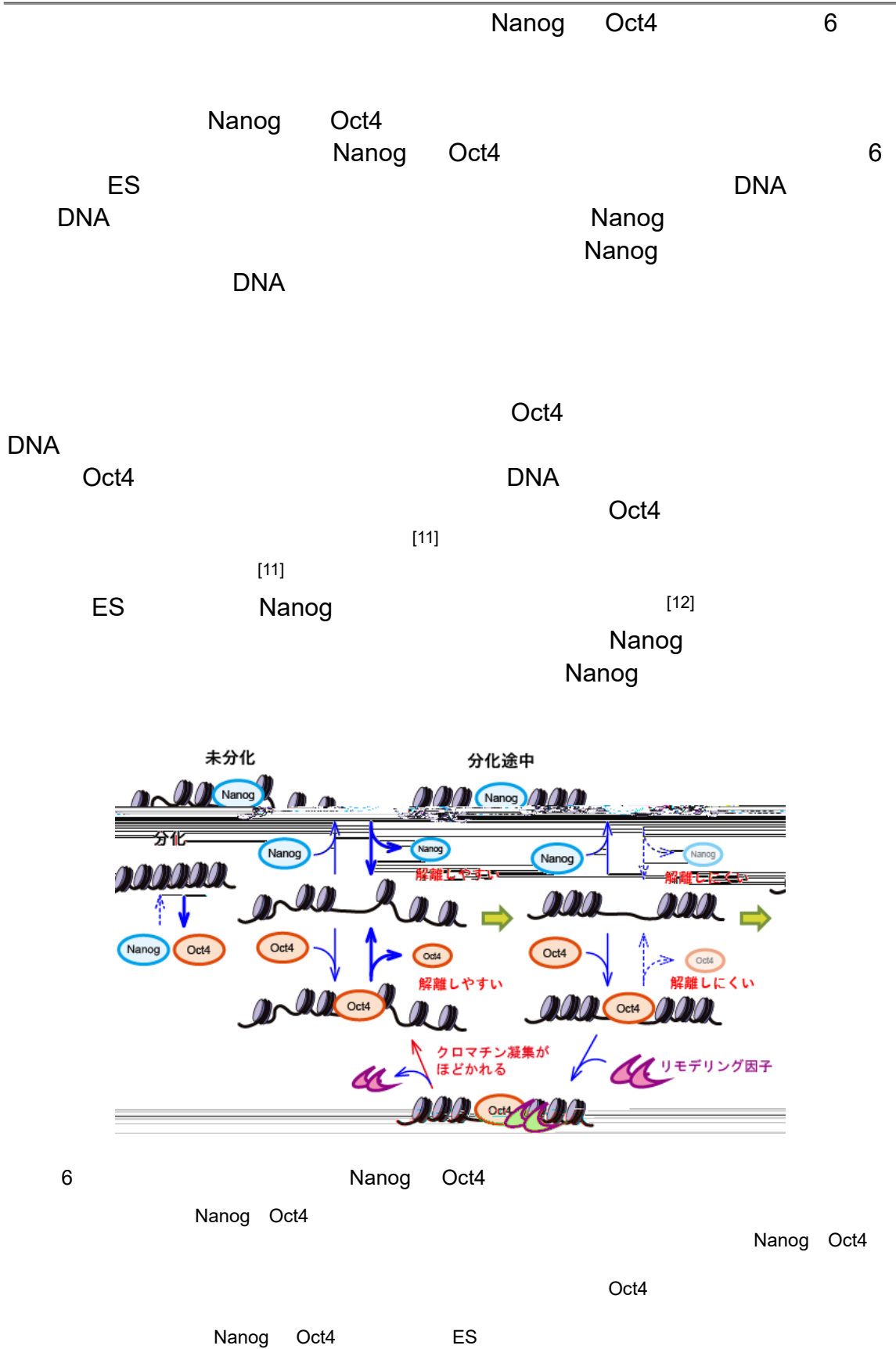
DNA





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7 24







[2]

DNA  
RNA

[3] iPS

ES 2006  
2012  
iPS induced pluripotent stem

[4]

DNA DNA RNA  
DNA DNA  
DNA DNA  
DNA DNA

[5]

1960  
2008

[6]

DNA DNA DNA

[7]

1

HILO

[8]

19





[9]

ES

ES

[10] 1

SMT

SMT Single-molecule tracking

[11]

[12]

ES

ES

Nanog

ES





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2023 8 23 7 24

iPS AMED

JST

CREST



科学道

„Dreams to the Future.“



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