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- : (Jonathan Latham)
 - : “The Meaning of Life (Part I)” (2017.10.24)
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 - : “The Meaning of Life (Part I)”
 “Genetics Is Giving Way to a New
 Science of Life”
-

1953 DNA (James Watson) (Francis Crick) DNA
 DNA 1953 30
 DNA 1920
 DNA
 (1917)
 (公憤)
 . 1911 (Harry Pratt Judson)
 . 1913
 “ 가 ”
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 ’(psychobiology)

1. “ ”

1900

1929 (Max Mason) 가

“ ”

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가 ,

(Lily Kay 『 The

Molecular Vision of Life, 1993)

(Edmund E. Day) “ ”

“ ” (Warren

Weaver) “ ”

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가 가 “

” 1930

가 “

” (Kay, 1993).

2.

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(Abraham, 2004) (Nicolas Rashevsky) 가 (記述)

1933

1953 (George Beadle) 18 DNA

(Kay, 1993). 1989

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1953

DNA

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(Desmond, 1998).

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(Darwin’s

Bulldog) .))

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“ (salique law) —

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.(Desmond, 1998).

가 ‘ (protoplasm)

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4.

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1950
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(Wallace, 2009).

(Gundle et al., 2010).

(Vrecko, 2008).

1920 1930 (Adolf Hitler)

’(genome sequencing)

가 DNA가

가

1 ’(presumptive primary cause)

DNA “ ” (Mullis, 1997).

5.

1865 “ [] ” 가

가

(Herbert Spencer) (E. O. Wilson),
(Richard Dawkins), (Steven Pinker), DNA
(含意) 『
: 『(Sociobiology: The new synthesis, 1975) 『
『(The Selfish Gene, 1976) 『 『(The Extended
Phenotype, 1982)
, ‘ , ,
. DNA
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가 , , —
(가 Kales et al.,
1980). 가

6. ‘ ,
2016 (Gary Greenberg,)
「 (棺) 가? 」 .(([
] ‘ , 가 .)) ‘ ,
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(反) ” (Richard
Lerner)(Lerner, 2007)
“ ” (Douglas Wahlsten)(2012)

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가
가 . 2013
가 MIT < > (([

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(Eric Lander) .)) ‘ ‘(phantom)
(Zuk et al., 2013). 180 4가

가 (Ioannidis, 2007)
가 (Manolio et al., 2009; Dermitzakis and Clark, 2009)
가
(Ioannidis and Panagiotou, 2011) 가
(Buchanan et al. 2006; Wallace, 2006; Charney and English, 2012).

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가 .

UC
C. (Richard C Strohman) 1997 「
」 (“The coming Kuhnian revolution in biology ”)
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,([] (A short guide
to alternative paradigms of life) .))

가 “ ” — • • • • •
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가 DNA 가 DNA
가 DNA 가가
—RNA , —

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GMO

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DNA가

DNA

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(prescientific vitalism)

DNA가

7.

1860

(Ernst Haeckel)

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(1882)

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(John Morley, 1882, Desmond 1998

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가 DNA

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1975 < (NY Review of Books)
, E.O. 『 : 『(Sociobiology: a New Synthesis)
(([] C.H. Wadington 1975 8 7
Mindless Societies .))

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and Joseph, 2013)

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(Adolf Eichmann)

(Hannah

Arendt)

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”(banality of evil)

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(『 : 1933-1945』).

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