

# Genesis

1999



Eduardo  
Kac

# Første Mosebog (skabelsesberetningen)

*Let man have dominion over the fish of the sea, and over the fowl of the air, and over every living thing that moves upon the earth*

# Tekst > Morse > DNA

Let man have dominion over the fish of the sea and over the fowl of the air and over every living thing that moves upon the earth



```
CTCCGCGTATTGCTGTCACCCCGCTGCCCTGCATCCGTTTGTTCGCGTCGCCGTTTGTCA  
TTTGCXCTFGCGCTCATGCCCCGGACCTCGCCGCCCCGCCCAATTCCTCAIGCCCCGGACC  
CGGGCTACTGTCGTCCATTTGCOCTGCGCTCATGCCCGGCACCCTCGTTTGCCTTGCCTCCAT  
TTGCCATGCCCCGCACTGCCGCTCACTGTGCTCCATTTGCCOCTGCGCTCAGGCCOCTGC  
GCTCGTCTTACTCCGGCCGCTTGCCTGCTTCAIGCCCCGCCGCTCGTTCATGCCCCGGCTG  
TATGTGTTGCCCCTGCGCCACCTGCTTCTGTTGTCAIGCCCCGGCACGCTGCTCGTGGCCCC
```

# Oversættelse

Morse har 4 tegn:

DNA "alfabet" har 4 tegn:

Prik, streg, kort pause, lang pause

T,C,A,G

## **Morse to DNA conversion principle**

**DASH (-) = T**

**DOT (.) = C**

**A = WORD SPACE**

**G = LETTER SPACE**

# Syntetisk fremstillet DNA streng

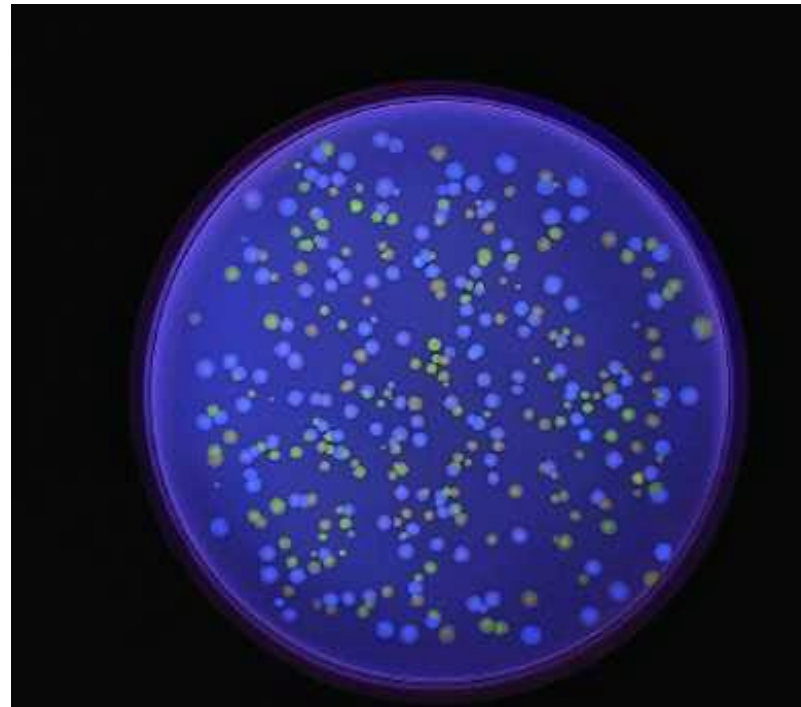
```
CTCCGGGTATTGCTGTACCCCGCTGCCCTGCATCCGTTTGTTCGCGTCGCCGTTTGTCA  
TTTGGCCCTGCGCTKATGCCCCGCACCTCGCCGCCCCGCCCAATTCCTCAIAGCCCCGACC  
CGCGCTACTGTCTGTCATTTGCCCTGCGCTCAIAGCCCCGCACCTCGTTTGTCTCAI  
TTGCTCATGCCCCGCACTGCCGCTCACTGTCTGCCATTTGCCCTGCGCTCACGCCCTGC  
GCTCGTCTTACTCCGCGCCCCGTGCCGTCTGTTCAIAGCCCCGCCGTCGTTCAIAGCCCCGCTG  
TATTTGTTTGCCTTGCGCCACCTGCTTTCGTTTGTCAIAGCCCCGCACGCTGCTCGTGC
```

Indsættes i 2 forskellige bakteriekulturer:

En bakterie, der lyser blåt i ultraviolet lys

En bakterie, der lyser gult i ultraviolet lys

Der er rigeligt med plads til en ny streng  
(junk-DNA)



# Installationen



# UV lys

Nødvendigt for  
synliggøre  
bakterierne

Mutagen



# Efterfølgende de-kodning

*Let man have dominion over the fish of the sea, and over the fowl of the air, and over every living thing that moves upon the earth*

*Let **aan** have dominion over the fish of the sea, and over the fowl of the air, and over every living thing that **ioves ua eon** the earth*