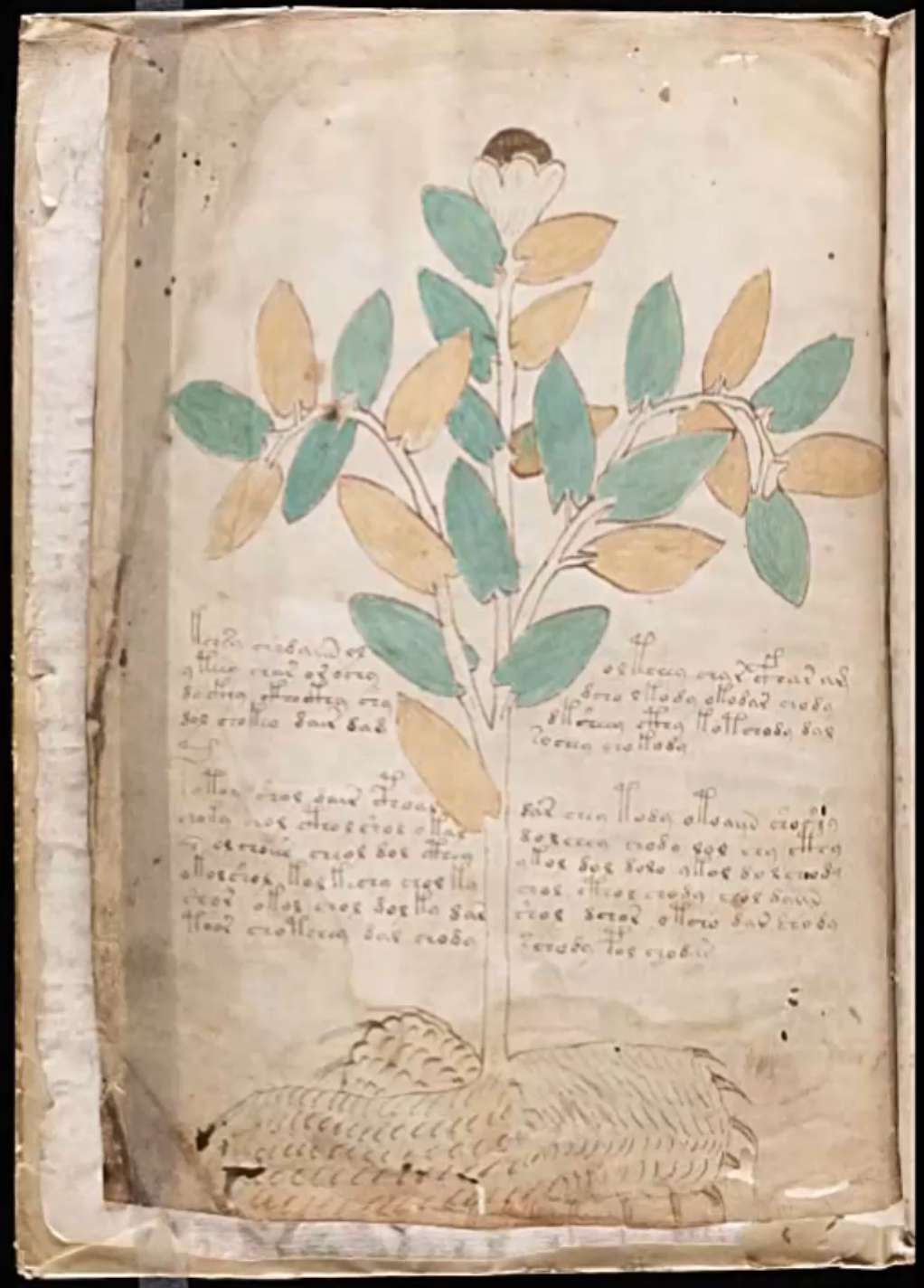


ATG CCA

0x1A36

Computer Code

```
#include <stdio.h>

int main(void)
{

   printf("MY DNA IS NICE\n");
   return 0;
}
```

```
[root@cra]#  gcc code.c -o code
[root@cra]#  ./code
MY DNA IS NICE
[root@cra]#
```

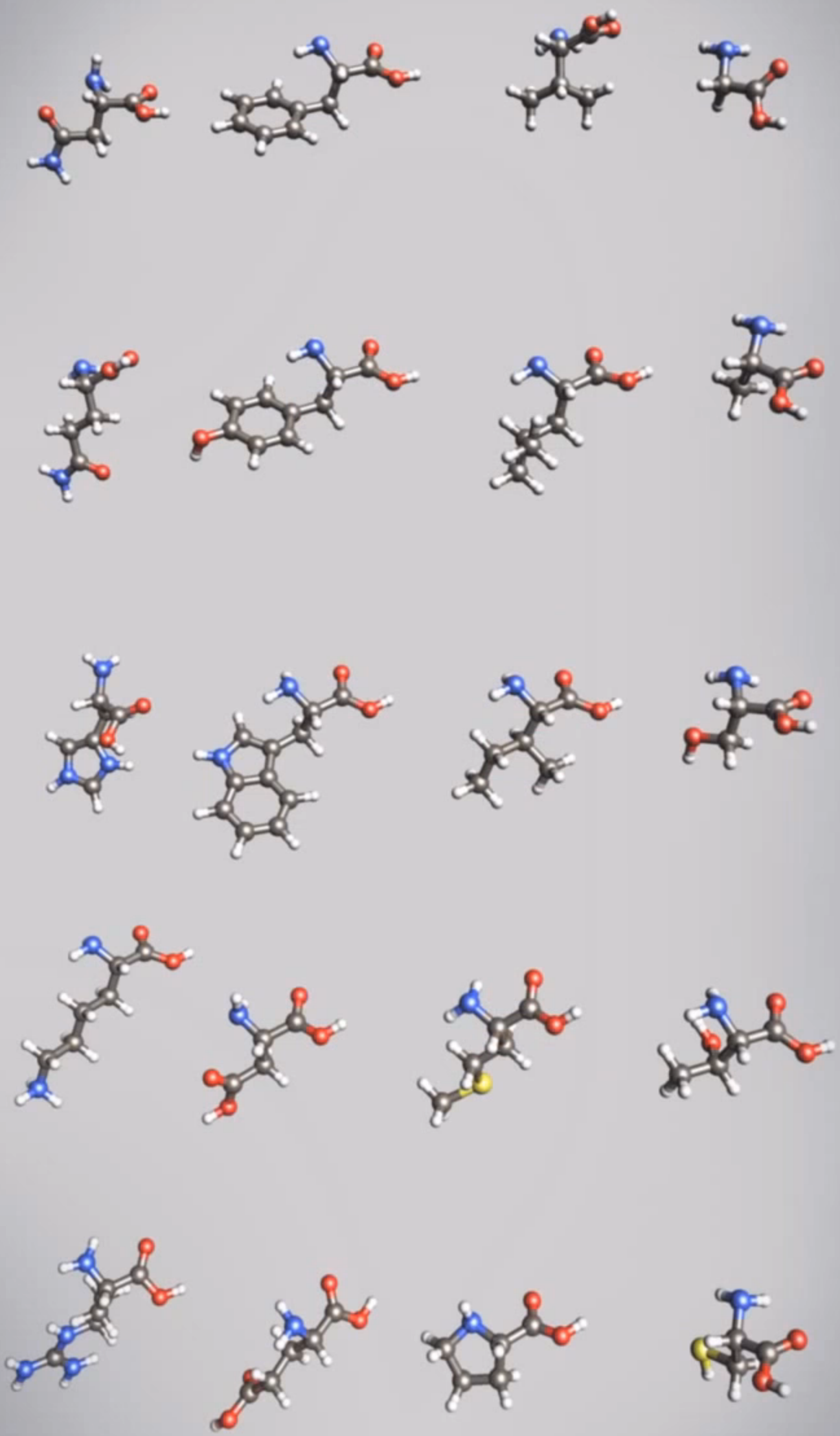
DNA Code

ATG TAT GAC AAT GCC ATT AGT AAT ATT TGT GAA

M Y D N A I S N I C E

Single Letter Amino Acid Code

Standard Amino Acids



Tyrell Corporation

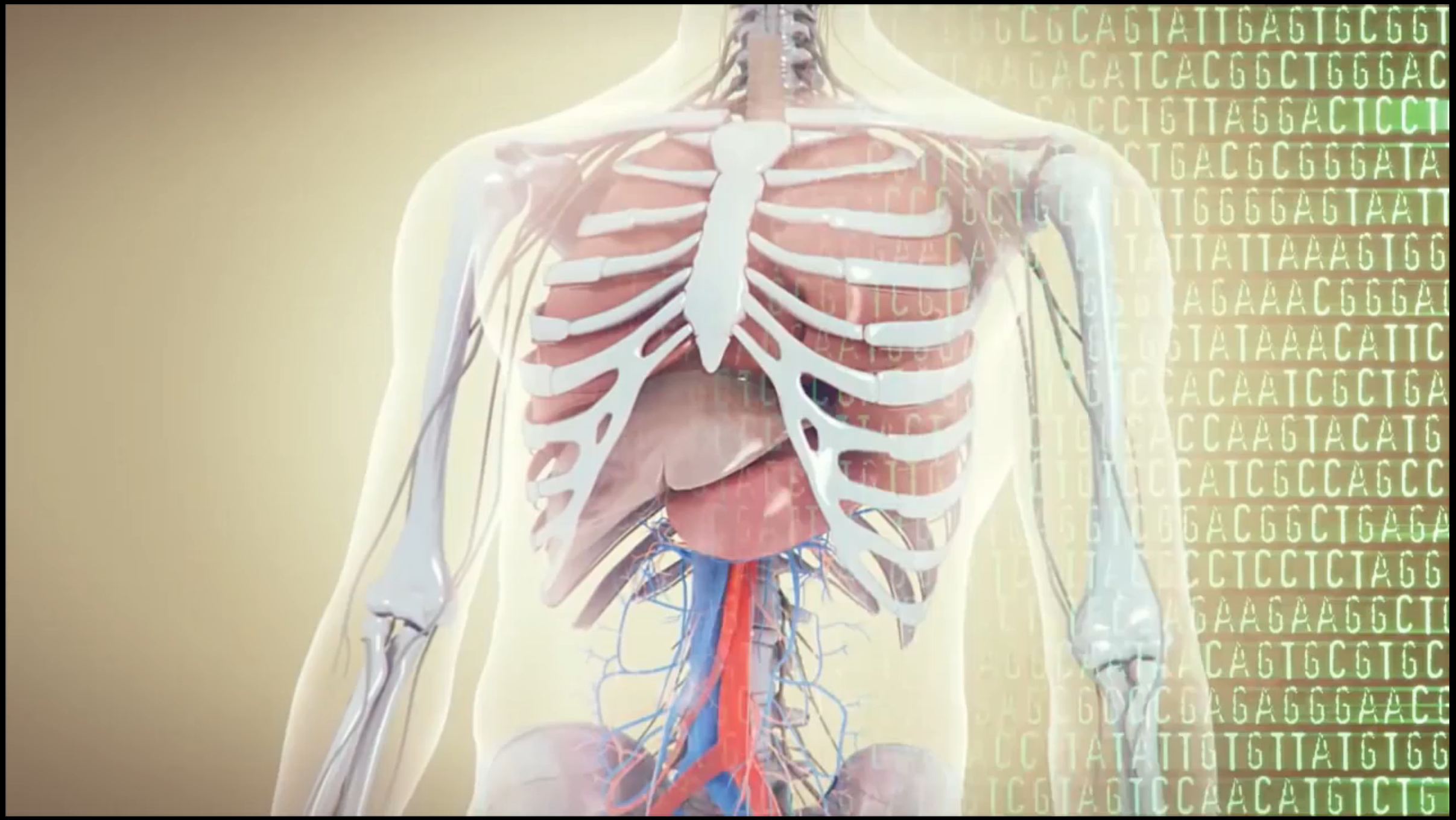
Replicants

DNA Code

ATG TAT GAC AAT GCC ATT AGT AAT ATT TGT GAA

M Y D N A I S N I C E

Single Letter Amino Acid Code



BioEncryption Cannot Be Semantically Secure

Orthogonal tRNA – tRNA Synthetase Pairs

ATG TAT GAC TAG GCC ATT AGT AAT ATT TGT GAA

Recombination

ATG TAT GAC TAG GCC ATT AGT AAT ATT TGT GAA

CRISPR Cas9

AGT AAT ATT TGT TAT AGG TAT GAC TAG GCC ATT

Encrypted or Obfuscated DNA Code

ATG TAT GAC AAT GCC ATT AGT AAT ATT TGT GAA

M Y D N A I S N I C E

Single Letter Amino Acid Code

Applying Computing Ideas to Genomes

Having a checksum for genes

Access control in cells

&c.