

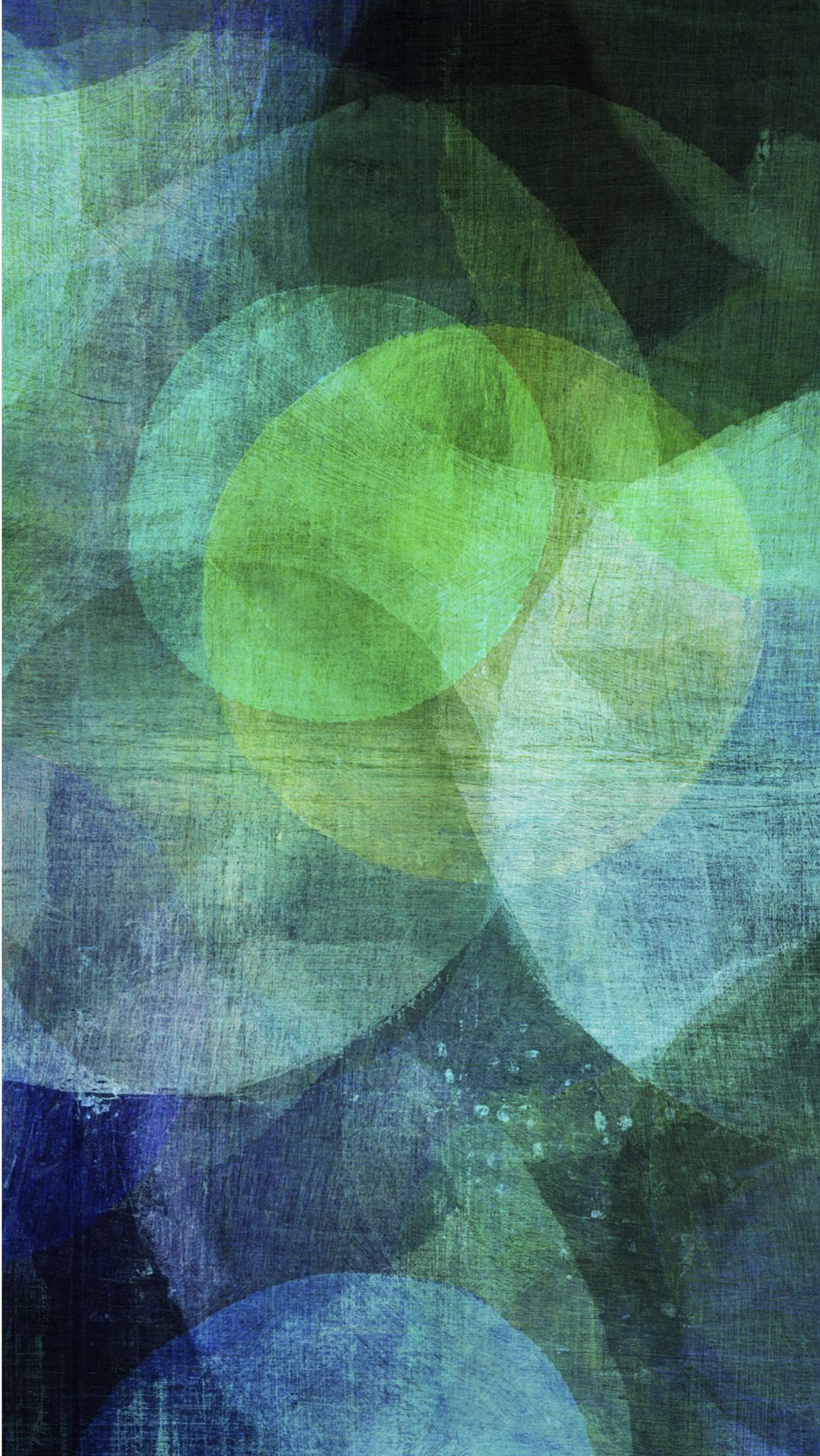


SERENDIPIITY GENE

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PART I

application





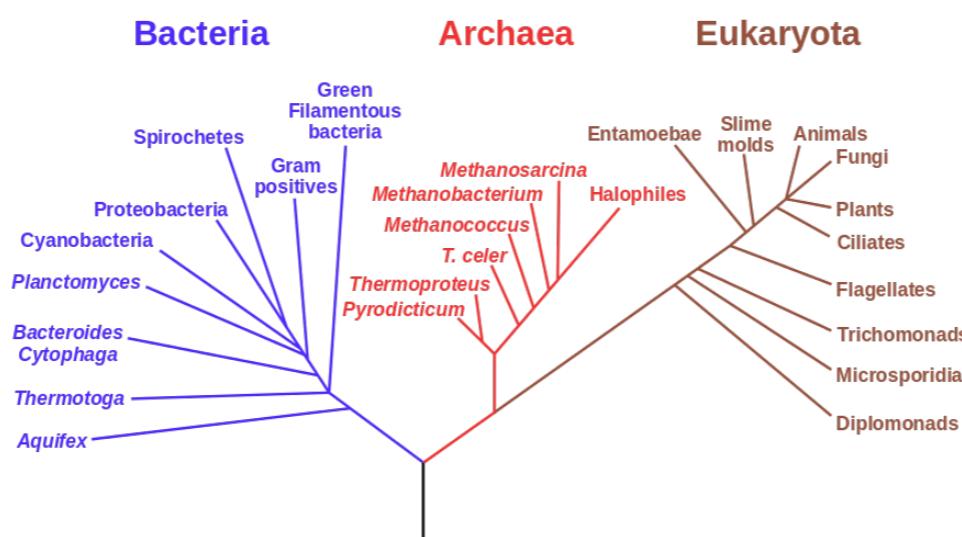
PROBLEM AND SOLUTION

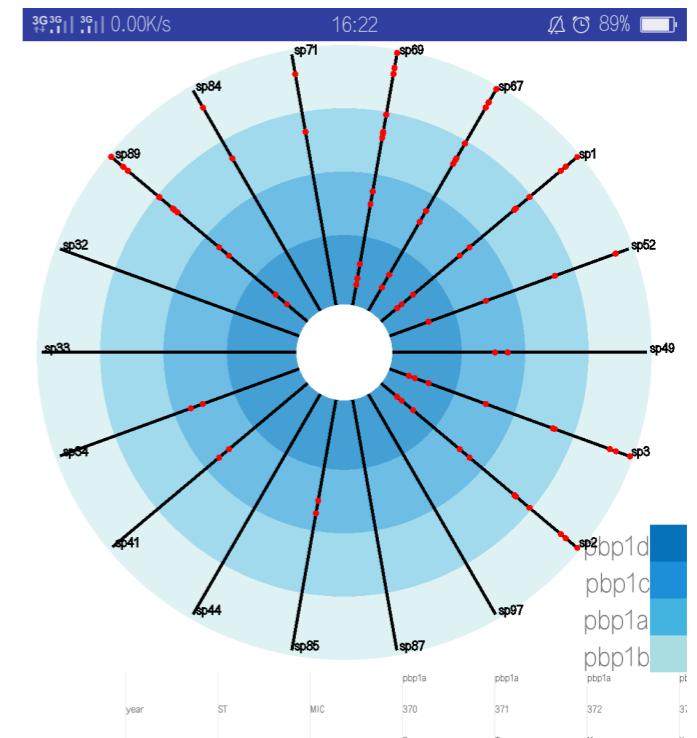
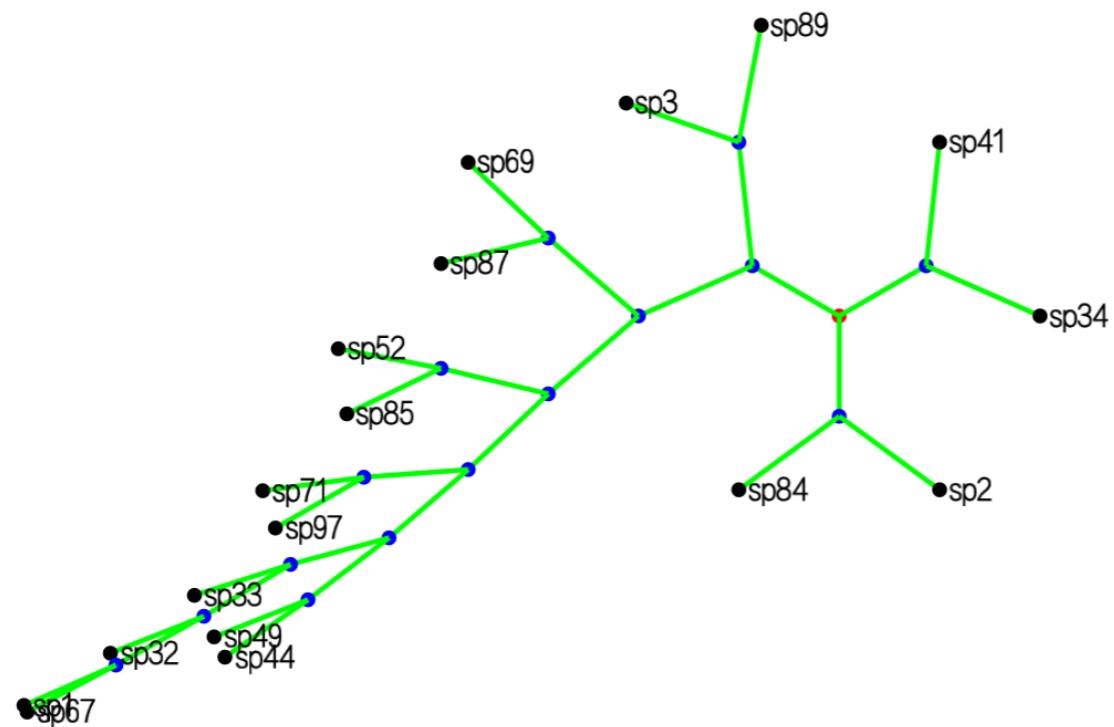
- compare the gene sequence using the app on the mobile phone
- a safety database for storage
- modify the resistance gene anytime

WHAT IS OUR SOLUTION TO IT

- cloud storage (Azure cloud platform)
- Phylogenetic tree (NJ method)

Phylogenetic Tree of Life





```
[[SPB]]
|-[1.453125--<[SP:]]
| |---- [7.333333333333333--<[SP84]]
| |`---- [7.666666666666667--<[SP2]]
|-[0.046875--<[SP=]]
| |---- [9.0--<[SP34]]
| |`---- [9.0--<[SP41]]
`-[0.140625--<[SPC]]
  |-[1.265625--<[SP<]]
  | |---- [7.3125--<[SP89]]
  | |`---- [7.6875--<[SP3]]
  `-[0.234375--<[SPA]]
    |-[1.25--<[SP9]]
    | |---- [7.363636363636363--<[SP69]]
    | |`---- [7.636363636363637--<[SP87]]
    `-[0.25--<[SP@]]
      |-[1.125--<[SP8]]
      | |---- [7.375--<[SP52]]
      | |`---- [7.625--<[SP85]]
      `-[0.5625--<[SP?]]
        |-[0.1124999999999999--<[SP:]]
        | |---- [8.175--<[SP71]]
        | |`---- [6.824999999999999--<[SP97]]
        `-[0.6375--<[SP>]]
          |-[2.0625--<[SP6]]
          | |---- [6.75--<[SP33]]
          | |`---- [0.75--<[SP5]]
          | | |---- [5.6--<[SP32]]
          | |`---- [1.900000000000004--<[SP4]]
          | | |---- [-0.375--<[SP1]]
          | |`---- [3.375--<[SP67]]
          `-[0.1875--<[SP7]]
            |---- [7.673076923076923--<[SP49]]
```

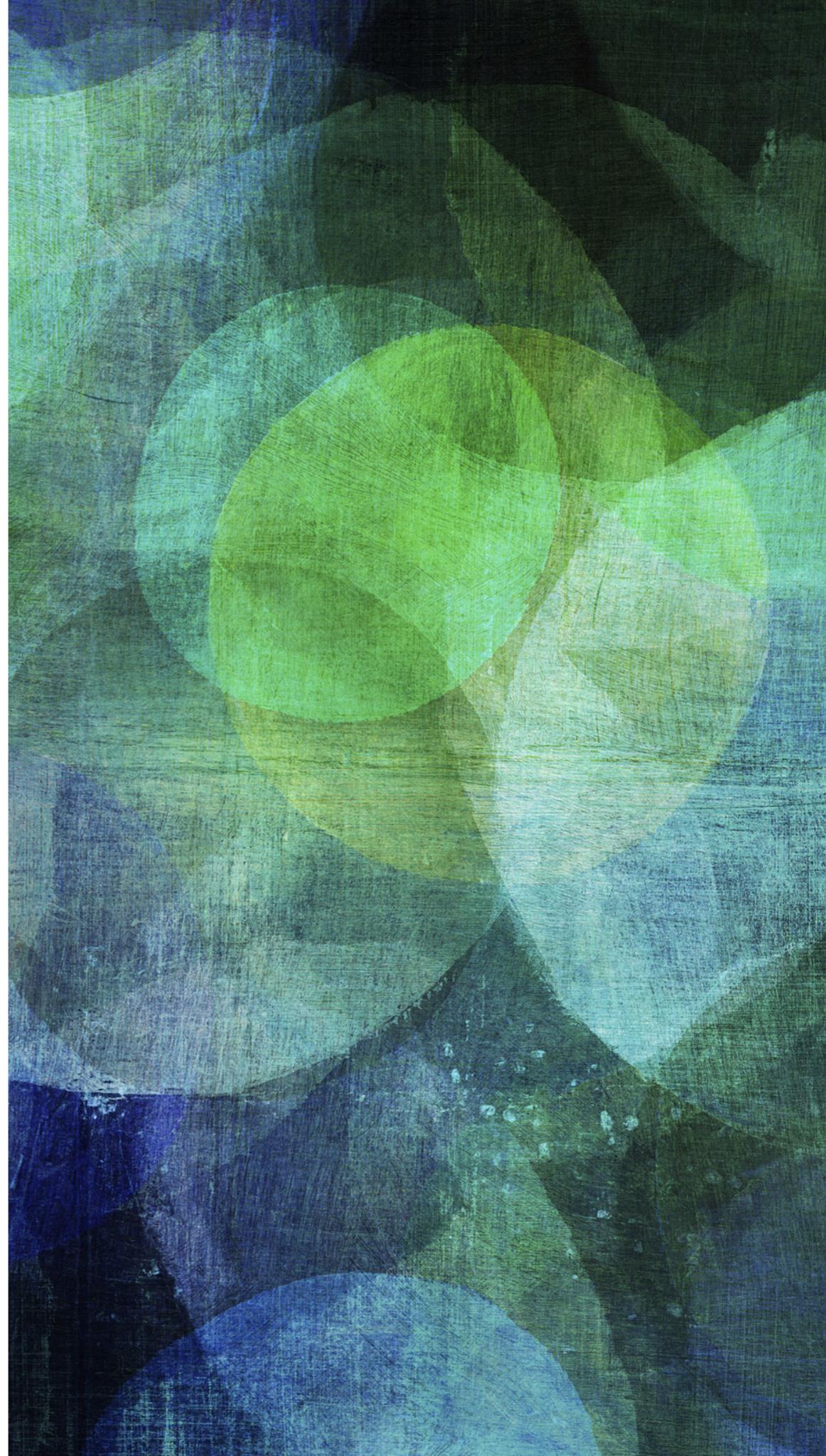
figure 1 is output of the gene Phylogenetic tree

figure 2 is a Ring diagram for compare all strain

figure 3 is same phylogenetic tree like figure1, which we test the NJ method

PART II

local storage cloud storage



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how to protect private data

DOWNLOAD AND UPLOAD

