```
-p Desantisbat
UBP18
p UBA9089
JACRDZ01
-p JACPWU01
 —p JACPWU01

—p JAFGBW01

—p Auribacterota

—p UBA6266

—p JABMQX01

—p UBA3054

—p PUNC01

—p UBA1439

-p JAKLEM01

—p GCA-001730085

—p Omnitrophota
          -p Omnitrophota
Ratteibacteria
  —p Ratteibacteria
p JAHJD001
-p NPL-UPA2
-p BS750m-G34
--p CAIJMQ01
--p Aerophobota
---p Goldbacteria
       -p Goldbacteria
Firestonebacteria
  p Friestonebacte

p JAAXVQ01

p FCPU426

p CAKKQC01

p JAJYCY01

p CG03

p RUG730
     p Elusimicrobiota
UBA6262
     p Margulisbacteria
             p Bacillota E
                                       Cyanobacteriota
         p Bacillota F
       DTU030
SLNR01
 p
  -p
      —p Bacillota H
—p Bacillota D
—p Bacillota B
—p Bacillota C
     —p Bac
DUMD01
                 Bacillota A
   p Bacillota G
            p Eremiobacterota
        p Armatimonadota
UBP13
                       -p Chloroflexota
                  Dormibacterota
                                 Actinomycetota
          — p Actinomycetota
—p Caldisericota
JANLFM01
—p Coprothermobacterota
-p HKB111
        −p HKB111
−p Thermodesulfobiota
−p DRYD01
JACIXR01
Dictyoglomota
DUMJ01
−p Thermotogota
       Atribacterota
        -p Synergistota
—p Fusobacteriota
            Mcinerneyibacteriota
Wallbacteria
       -p Muirbacteria
p UBP17
       p Riflebacteria
——p UBP7
               —p UI
UBP15
                 p 4484–113
p Patescibacteria
                Deinococcota
         -p Demococcola
-p Bipolaricaulota
-p Bdellovibrionota
--p SAR324
----p UBP6
             Desulfobacterota B
   —p Myxococcota A
-p JADJOY01
-p JAGRBM01
—p Myxococcota
-p FEN-1099
       Myxococcota B
   -p
       RBG-13-61-14
-p JACPQY01
JACQOV01
    <u>-</u>p
     p UBA10199
        p Desulfobacterota
        -p Nitrospirota
-p CG2-30-70-394
-p Nitrospirota
-p Nitrospirota
-p Nitrospinota
-p Nitrospinota
-Nitrospinota
   -p CG2-30-53-67
—p Nitrospinota
-p Nitrospinota B
—p Tectomicrobia
-p JACPSX01
—p JACPOP01
—p JACPUC01
—p UBA8248
—p Schekmanbacteria
—p Moduliflexota
-p SZUA-182
—p Desulfobacterota
     p Desulfobacterota F
p Desulfobacterota C
p BMS3Abin14
     p Desulfobacterota E
p Nitrospirota A
p UBA2233
                     p Pseudomonadota
         p SZUA-79
JAMCPX01
     p Desulfobacterota G
p DYJV01
p Calescibacterota
p JAJRZV01
     p Desulfobacterota D
               Deferribacterota
       Chrysiogenota
Thermosulfidibacterota
     —p Aquificota
—p Campylobacterota
p CSSED10-310
-p B130-G9
      p Acidobacteriota
TA06
  -p Edwardsbacteria
-p 4572-55
-----p Gemmatimonadota
-p GCA-2686955
   -p GCA-2686955
--p Krumholzibacteriota
--p Eisenbacteria
-p JAGLYR01
-p ARS69
-p JABDJQ01
-p VGIX01
   —p Zixibacteria
-p JAGLTZ01
—p Latescibacterota
     _р' ЈАА
ТА06 А
             JAAXHH01
         –p WOR–3
–p JAFGND01
p UBP14
                –p Cloacimonadota
–p Marinisomatota
                             -p Bacteroidota
    –p CLD3
–p SM23–31
-p BS750m–G25
—p QNDG01
   p JdFR-76
p KSB1
     —p Calditrichota
—p Delongbacteria
—p AABM5-125-24
-p JAGOEH01
         ——p Fibrobacterota

–p Fermentibacterota

RBG–13–66–14
     -p
     p Pori
UBP4
           Poribacteria
        p Hydrogenedentota
p Abyssobacteria
p OLB16
       -p
    p Sumerlaeota
              —p Verrucomicrobiota
—p Chlamydiota
         —p Planctomycetota
T1Sed10–126
  -p 11Sed10–126
-p Lindowbacteria
-p UBA8481
p Dependentiae
p AUK180
p T1SED10-198M
p JAGOBX01
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-p Spirochaetota

Desantisbacteria