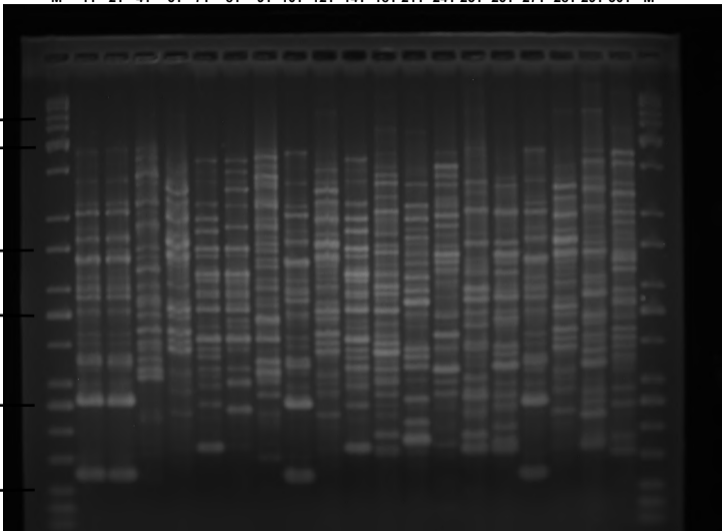


**S4 Fig.** Raw gel images for the BOX-PCR fingerprints of diazotrophic/N-scavenging bacteria isolated from different sources and from soils under different management conditions used. The resulting fingerprints were analyzed using BioNumerics v. 4.6 to produce a dendrogram based on the Jaccard coefficient from the distance matrix (2% tolerance in terms of band size) and the unweighted pair-group method with arithmetic mean (UPGMA) as shown in **Fig 2**.

M: Indicate the lanes containing the molecular weight marker (1kb DNA ladder, LGC biotecnologia, Brazil). X: Indicate the lanes not included in the final Fig 2.

M 1T 2T 4T 6T 7T 8T 9T 10T 12T 14T 18T 21T 24T 25T 26T 27T 28T 29T 30T M

6000 bp  
4000 bp  
1600 bp  
1000 bp  
500 bp  
200 bp



M 31T 32T 33T 34T 35T 36T 39T X 41T 42T 43T 48T 50T X X X X 16L 17L M

6000 bp

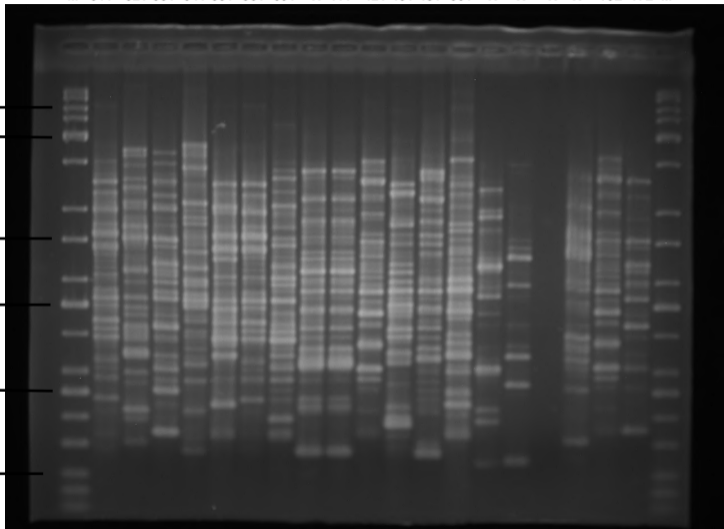
4000 bp

1600 bp

1000 bp

500 bp

200 bp



M 20L 22L 26L 27L 29L 31L 32L 37L 38L 39L 40L 42L 43L 47L 48L 52L 3S 12S 13S M

6000 bp

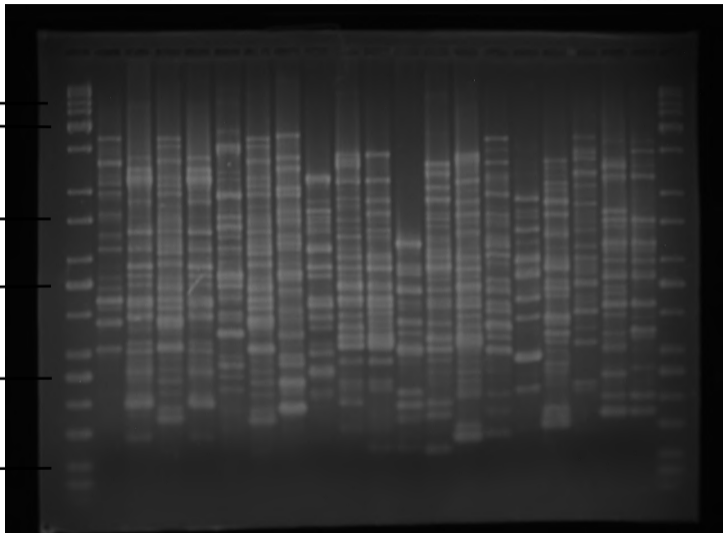
4000 bp

1600 bp

1000 bp

500 bp

200 bp



M

M X 5T X X 17T 19T 20T X 23T X X 45T 46T 47T X X X 15T X M

6000 bp

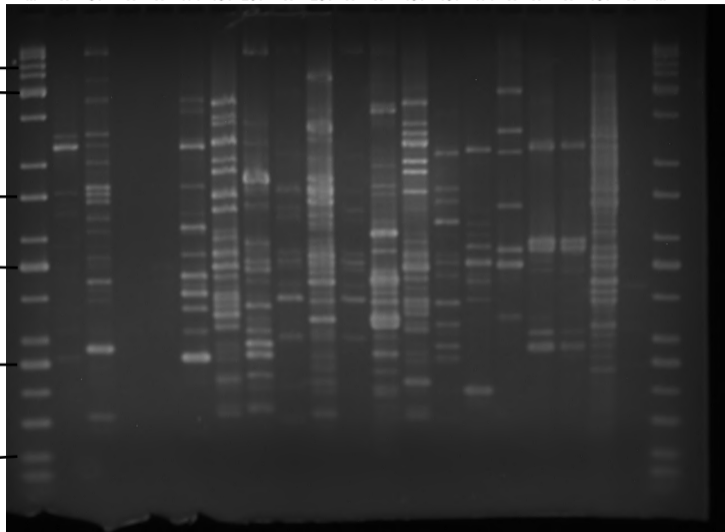
4000 bp

1600 bp

1000 bp

500 bp

200 bp



M X X 5L X X 11L 15L 18L X 23L 24L X 1L X X X X 19L M

6000 bp

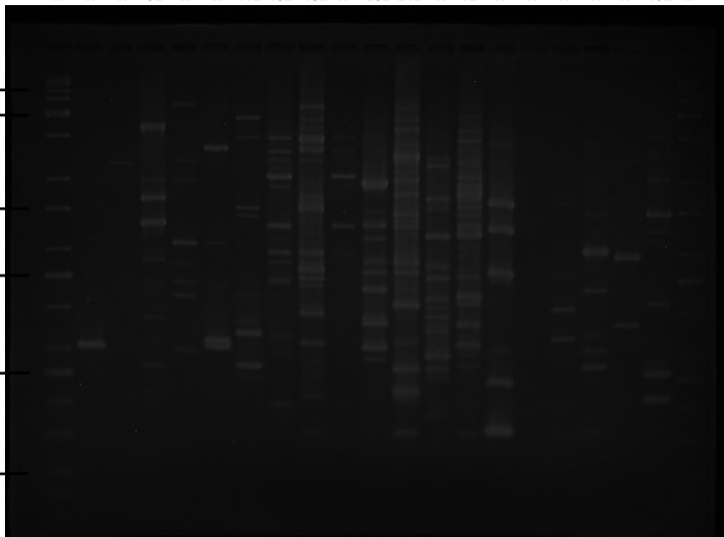
4000 bp

1600 bp

1000 bp

500 bp

200 bp



M X X X X X X X 14S 15S 16S X 19S 20S X 22S 23S X X X M

6000 bp

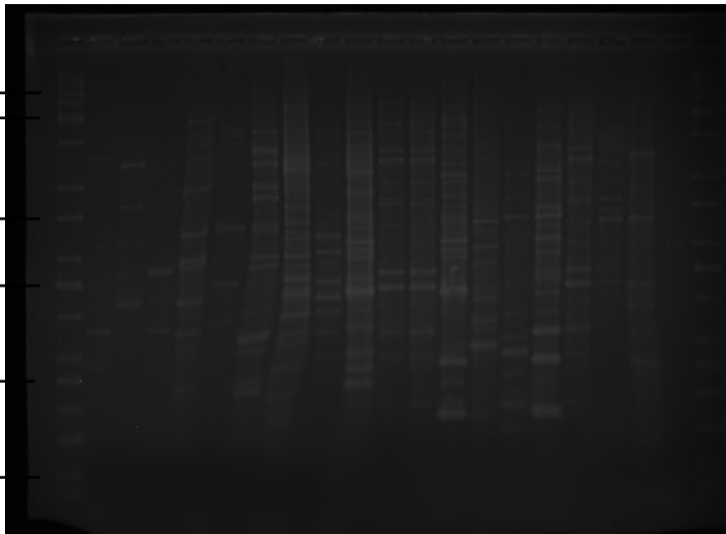
4000 bp

1600 bp

1000 bp

500 bp

200 bp



M 9L 12L 13L 14L 11S 18S 9S 25S 29S X X 7S 24S X X X 27S 28S X M

6000 bp

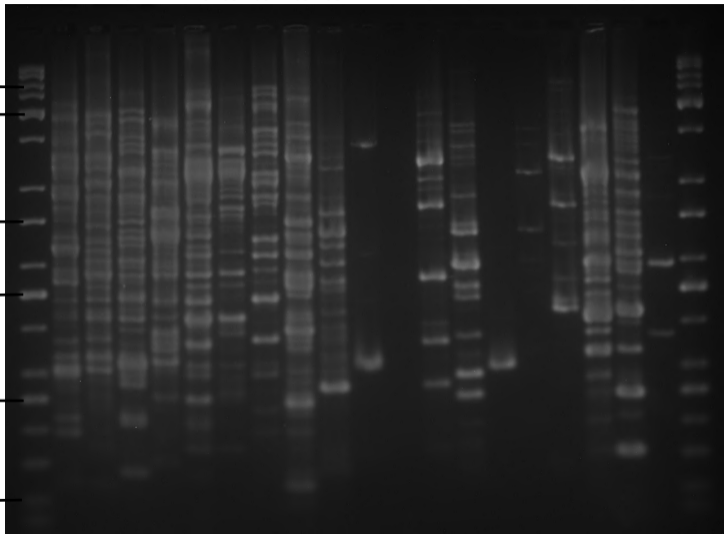
4000 bp

1600 bp

1000 bp

500 bp

200 bp





M X X X X X X X X X X X X X X X X X X 5S 4S M

6000 bp

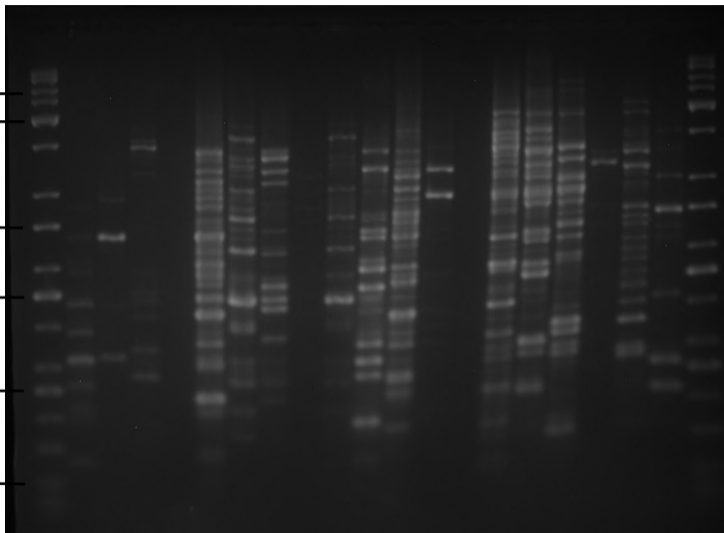
4000 bp

1600 bp

1000 bp

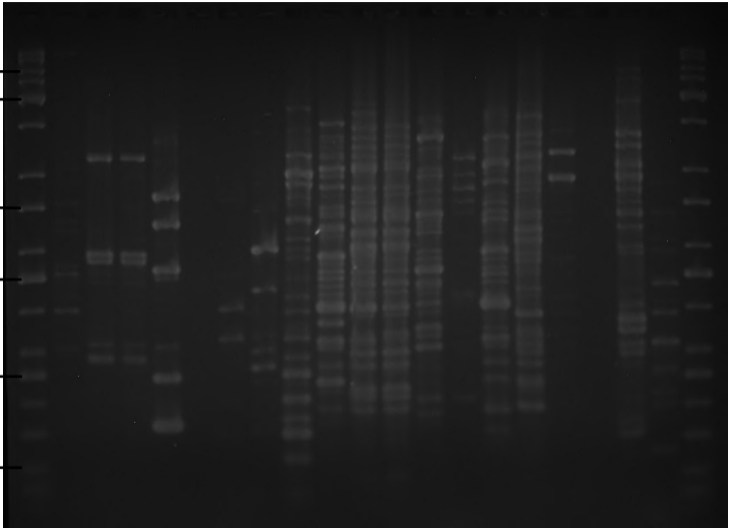
500 bp

200 bp



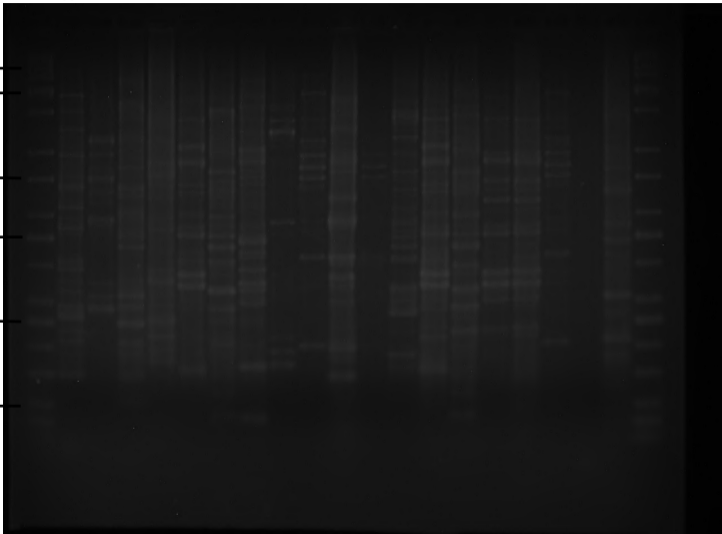
M X X X 30L X X X 21S X X X X X X X X 26S X M

6000 bp  
4000 bp  
1600 bp  
1000 bp  
500 bp  
200 bp



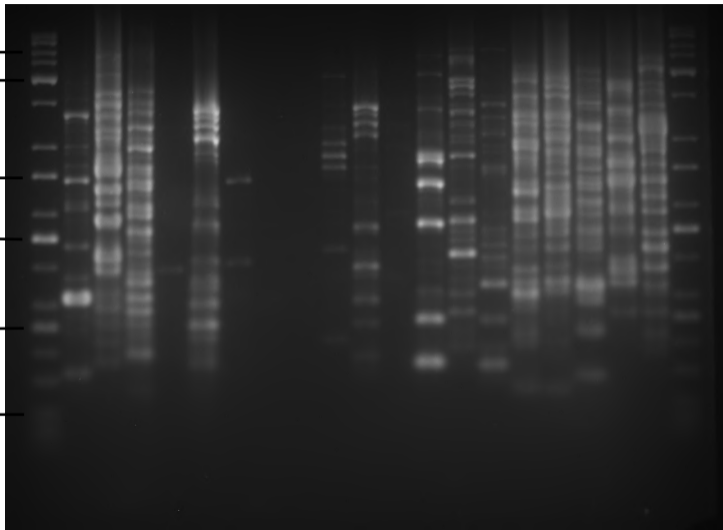
M 53T X X X X X X X X X X X X X X X X X X X M

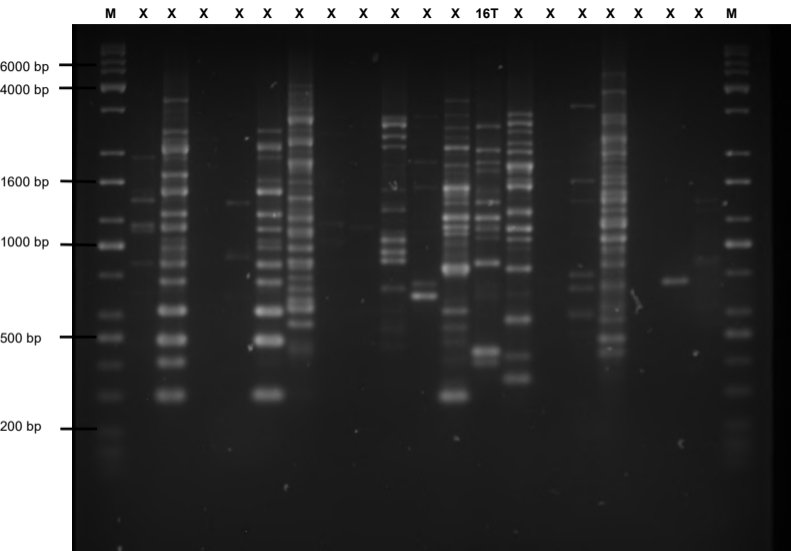
6000 bp  
4000 bp  
1600 bp  
1000 bp  
500 bp  
200 bp



M 8L X X X X X X X X X X X X 1S X X X X 50L M

6000 bp  
4000 bp  
1600 bp  
1000 bp  
500 bp  
200 bp





M X X X 8S X 10S X X X X X X X X X X X X X X M

6000 bp

4000 bp

1600 bp

1000 bp

500 bp

200 bp

