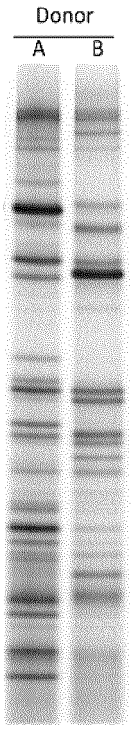


Figure 1

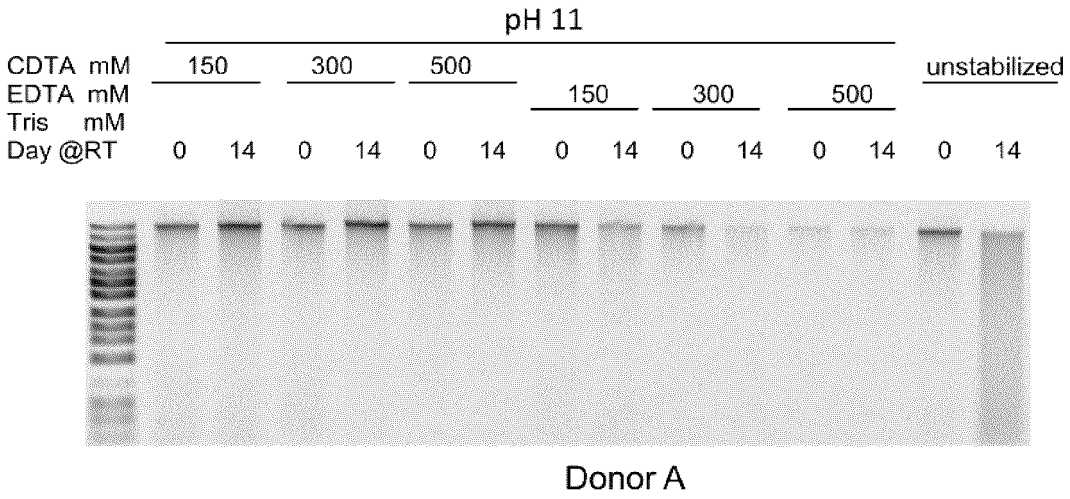


Figure 2

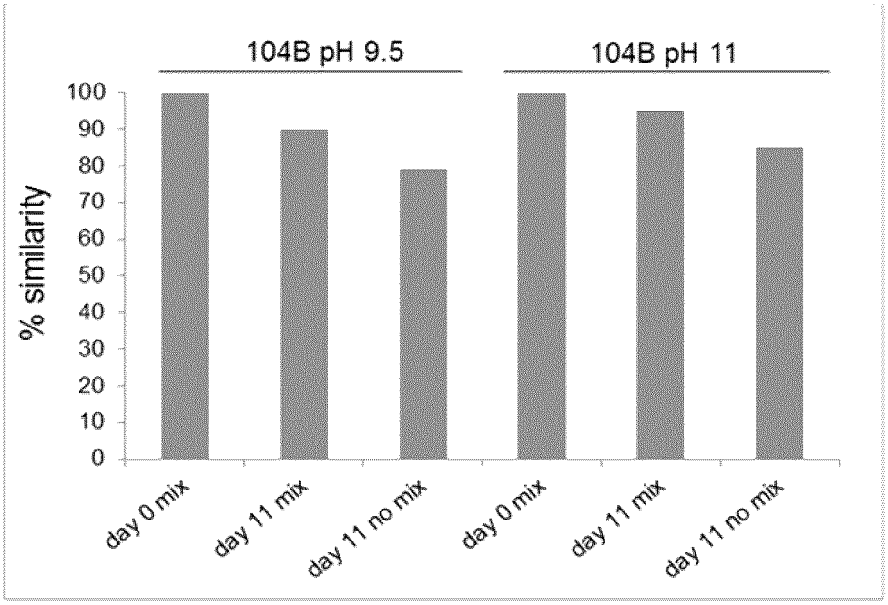


Figure 3

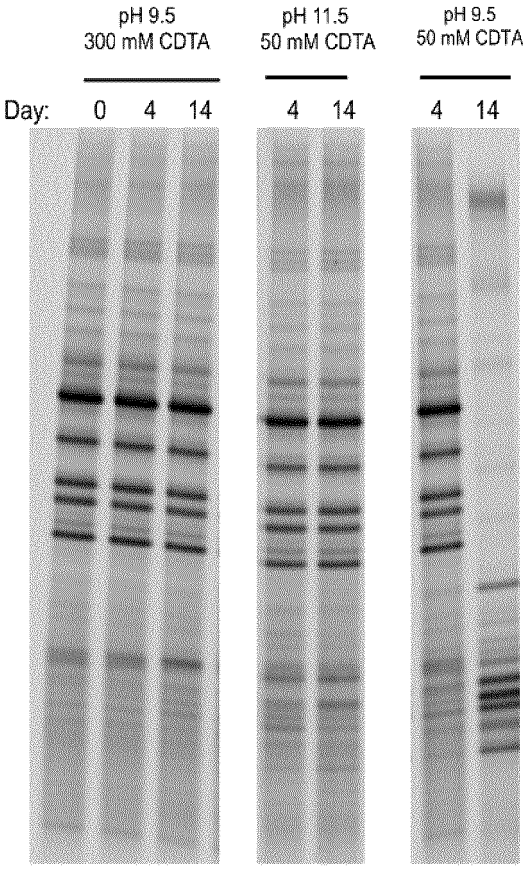


Figure 4

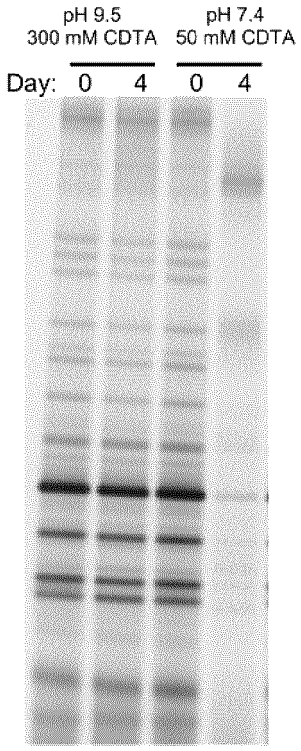


Figure 5

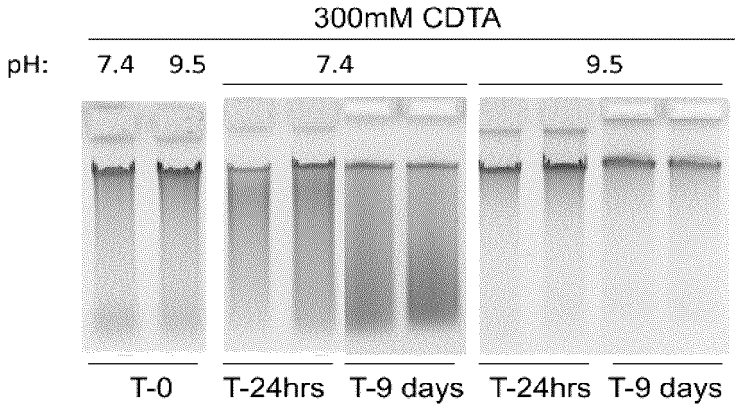


Figure 6

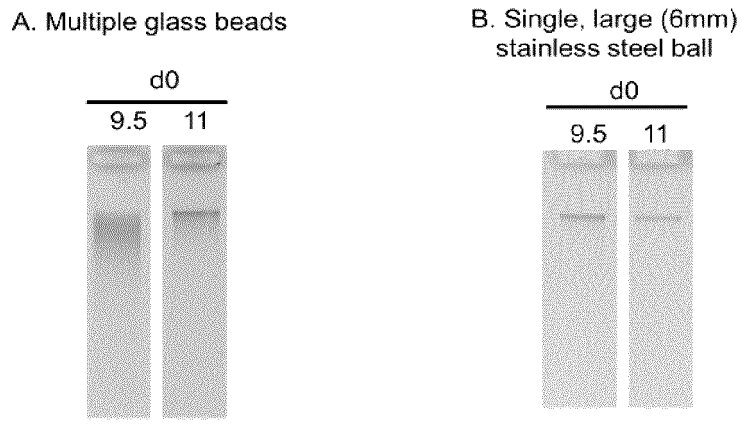


Figure 7

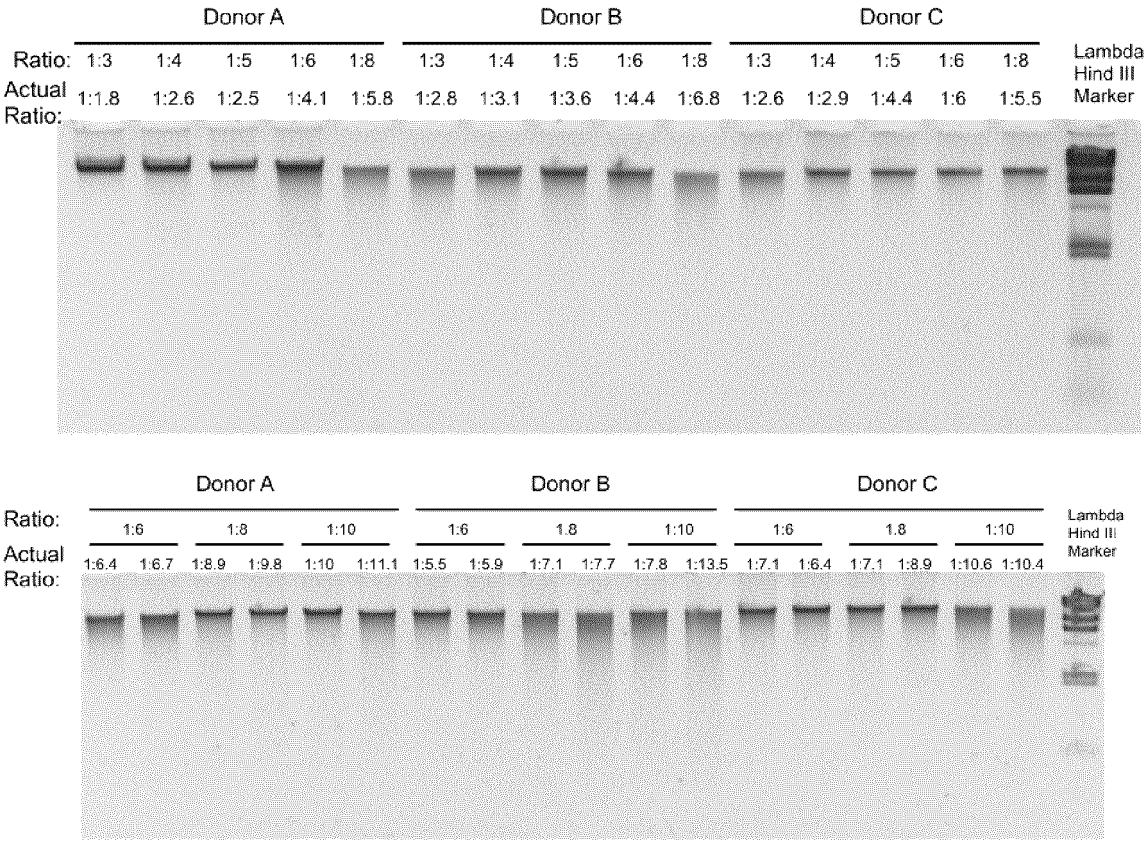


Figure 8A

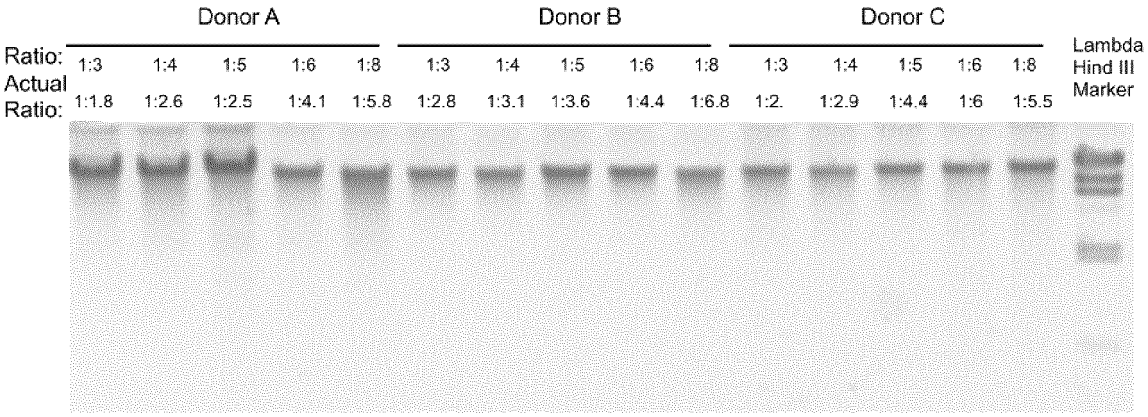


Figure 8B

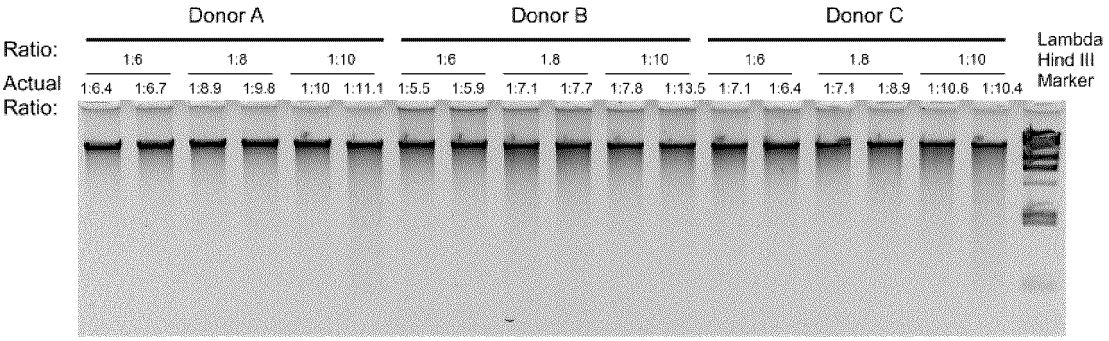


Figure 8C

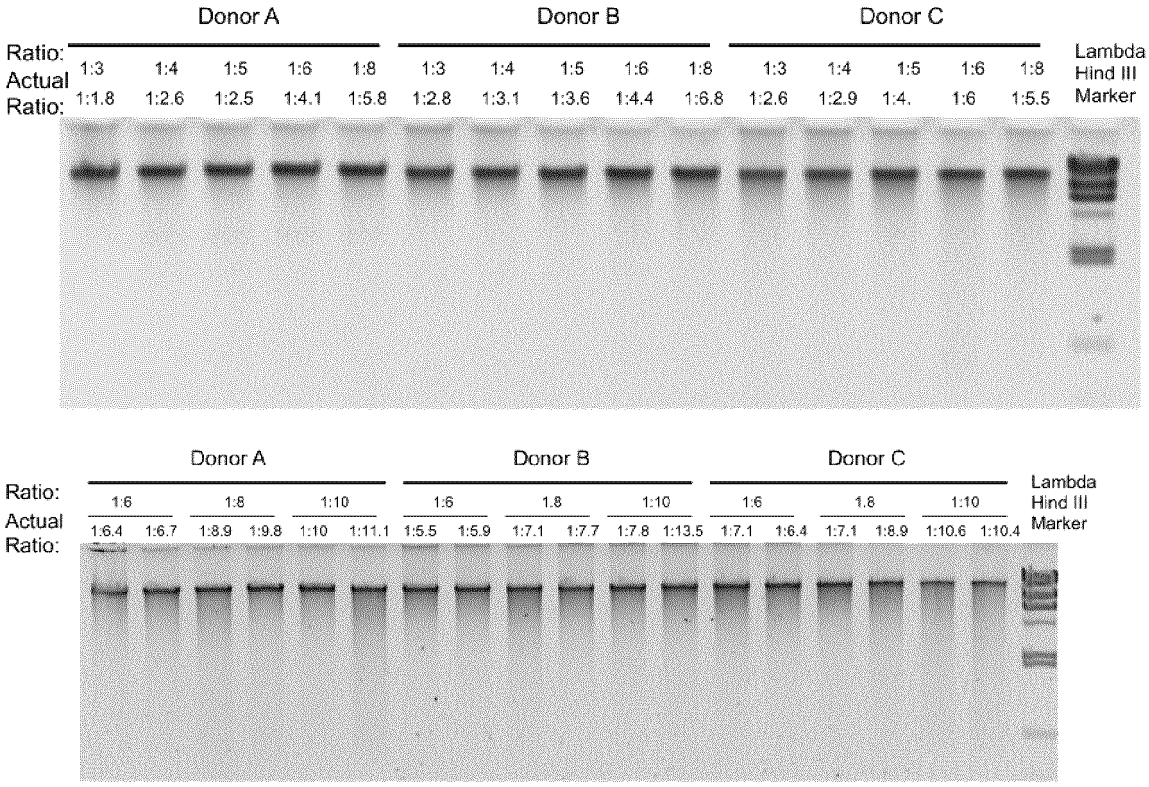

Donor A
Donor B
Donor C
Ratio:
Actual Ratio:
1:3 1:4 1:5 1:6 1:8
1:1.8 1:2.6 1:2.5 1:4.1 1:5.8
1:3 1:4 1:5 1:6 1:8
1:2.8 1:3.1 1:3.6 1:4.4 1:6.8
1:3 1:4 1:5 1:6 1:8
1:2.6 1:2.9 1:4. 1:6 1:5.5
Lambda Hind III Marker
Donor A
Donor B
Donor C
Ratio:
Actual Ratio:
1:6 1:8 1:10
1:6.4 1:6.7 1:8.9 1:9.8 1:10 1:11.1
1:6 1:8 1:10
1:5.5 1:5.9 1:7.1 1:7.7 1:7.8 1:13.5
1:6 1:8 1:10
1:7.1 1:6.4 1:7.1 1:8.9 1:10.6 1:10.4
Lambda Hind III Marker

Figure 8D

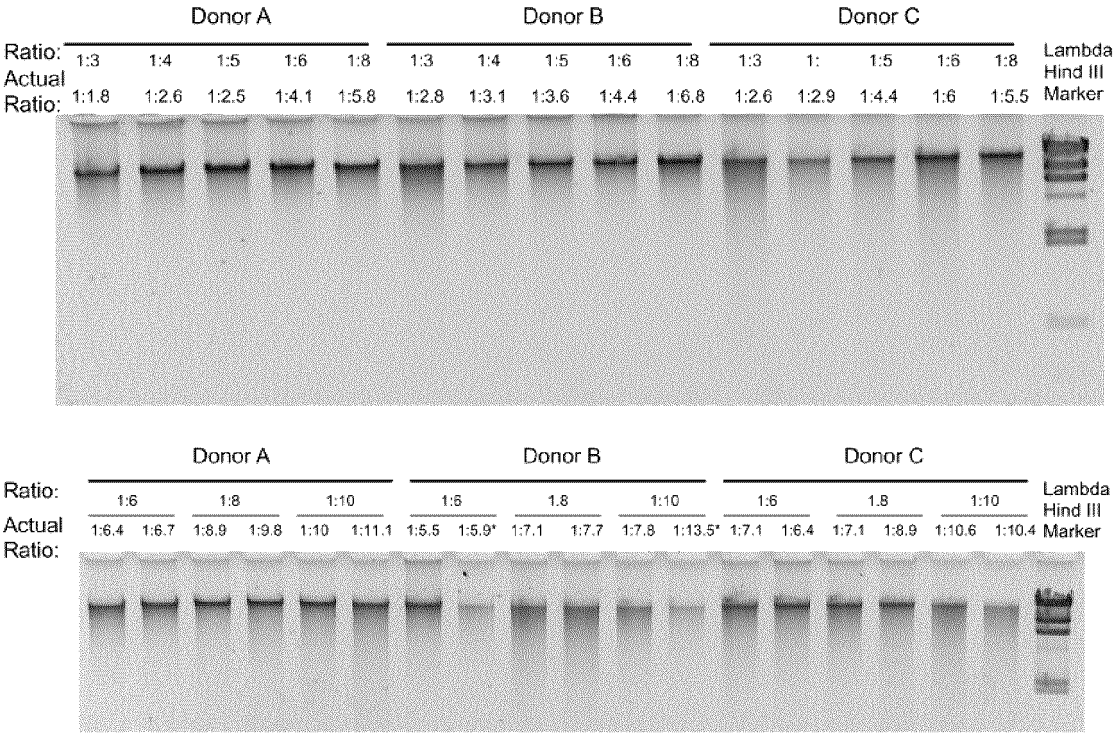

Donor A
Donor B
Donor C
Ratio:
Actual Ratio:
1:3 1:4 1:5 1:6 1:8 1:3 1:4 1:5 1:6 1:8 1:3 1: 1:5 1:6 1:8
1:1.8 1:2.6 1:2.5 1:4.1 1:5.8 1:2.8 1:3.1 1:3.6 1:4.4 1:6.8 1:2.6 1:2.9 1:4.4 1:6 1:5.5
Lambda Hind III Marker
Donor A
Donor B
Donor C
Ratio:
Actual Ratio:
1:6 1:8 1:10 1:6 1:8 1:10 1:6 1:8 1:10
1:6.4 1:6.7 1:8.9 1:9.8 1:10 1:11.1 1:5.5 1:5.9* 1:7.1 1:7.7 1:7.8 1:13.5* 1:7.1 1:6.4 1:7.1 1:8.9 1:10.6 1:10.4
Lambda Hind III Marker

Figure 8E

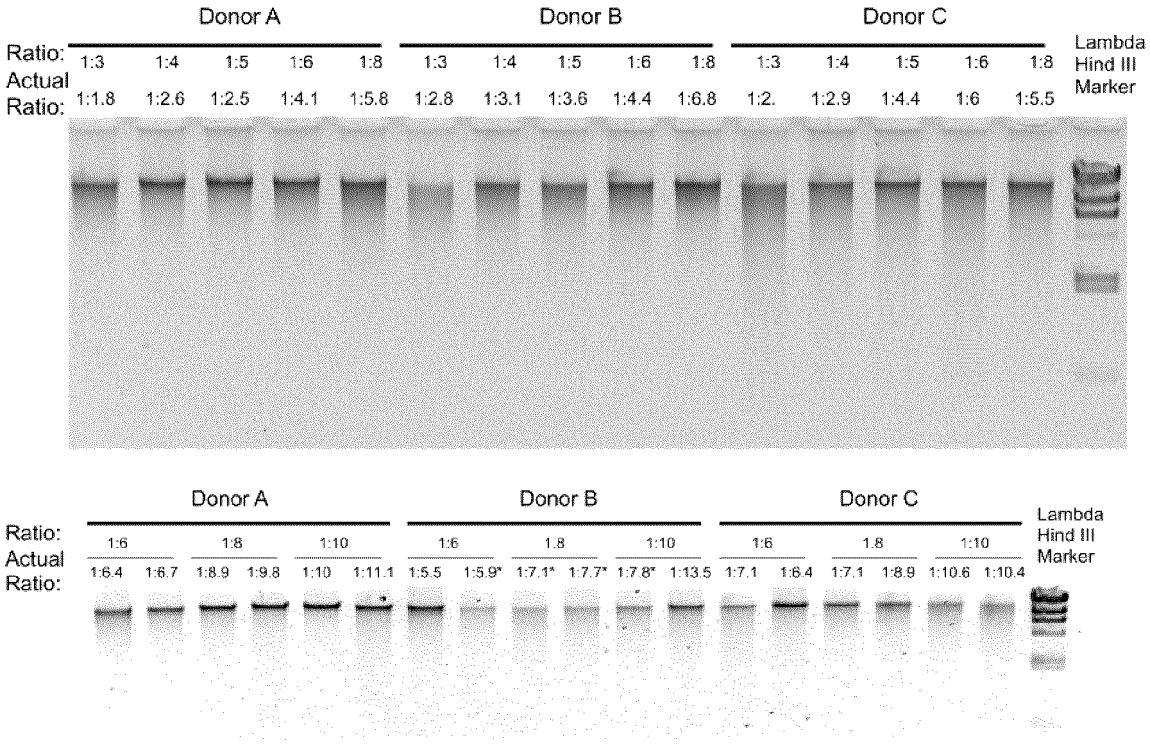


Figure 8F

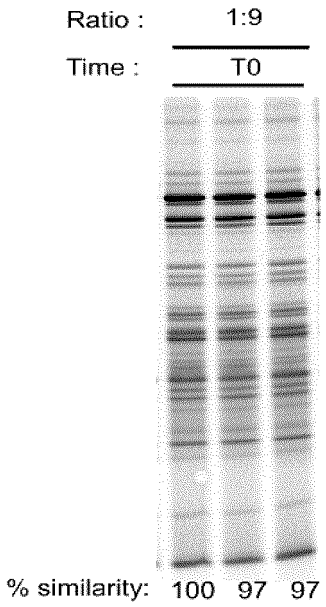


Figure 9

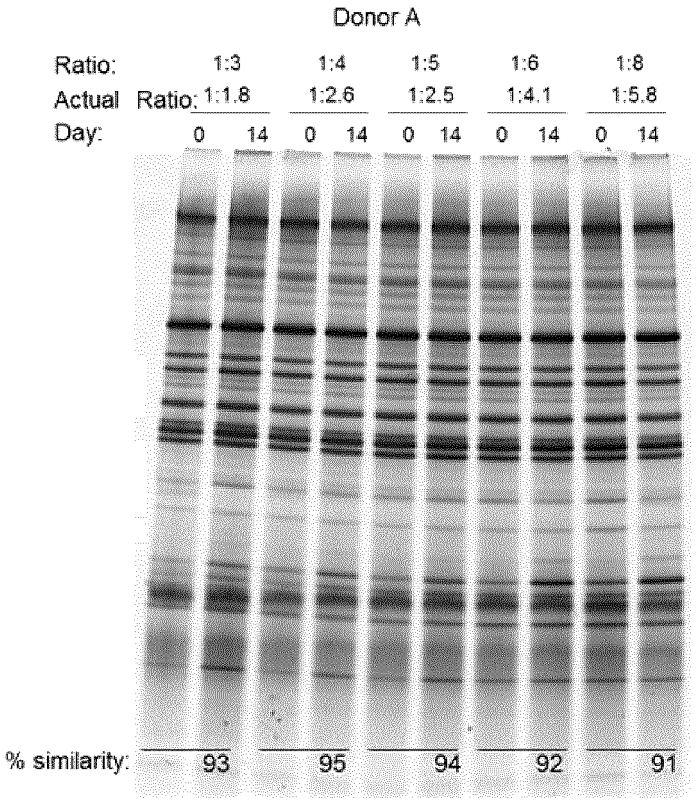

Donor A
Ratio: 1:3 1:4 1:5 1:6 1:8
Actual Ratio: 1:1.8 1:2.6 1:2.5 1:4.1 1:5.8
Day: 0 14 0 14 0 14 0 14 0 14
% similarity: 93 95 94 92 91

Figure 10A

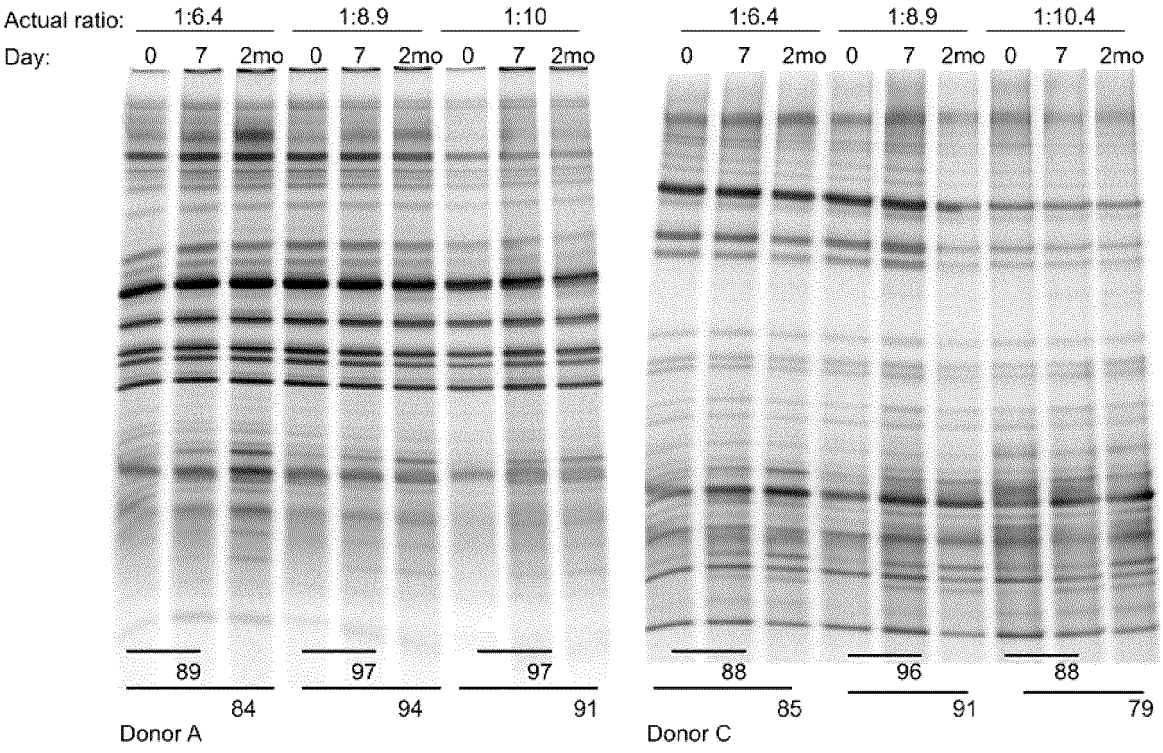

Actual ratio:
1:6.4
1:8.9
1:10
Day:
0 7 2mo 0 7 2mo 0 7 2mo
89 97 97
84 94 91
Donor A
1:6.4
1:8.9
1:10.4
0 7 2mo 0 7 2mo 0 7 2mo
88 96 88
85 91 79
Donor C

Figure 10B

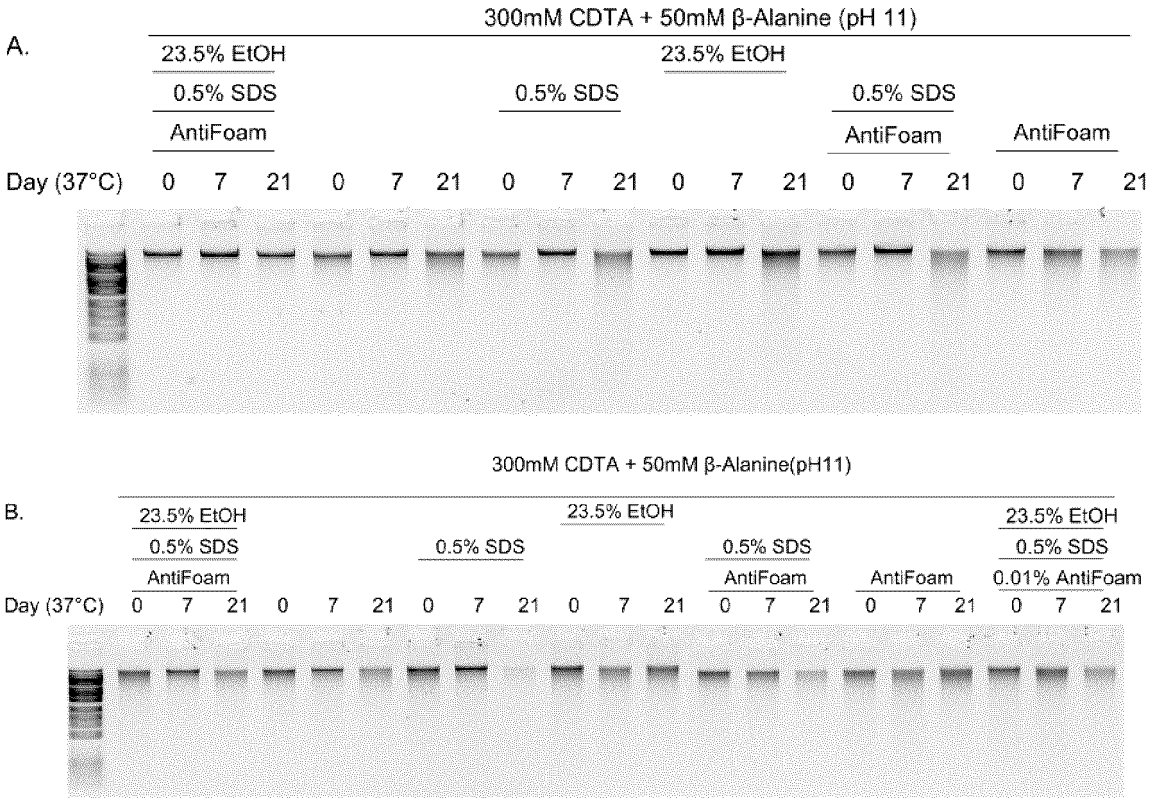

A.
300mM CDTA + 50mM β-Alanine (pH 11)
23.5% EtOH
23.5% EtOH
0.5% SDS
0.5% SDS
0.5% SDS
AntiFoam
AntiFoam
AntiFoam
Day (37°C) 0 7 21 0 7 21 0 7 21 0 7 21 0 7 21 0 7 21
B.
300mM CDTA + 50mM β-Alanine(pH11)
23.5% EtOH
23.5% EtOH
23.5% EtOH
0.5% SDS
0.5% SDS
0.5% SDS
0.5% SDS
AntiFoam
AntiFoam
AntiFoam
0.01% AntiFoam
Day (37°C) 0 7 21 0 7 21 0 7 21 0 7 21 0 7 21 0 7 21 0 7 21

Figure 11

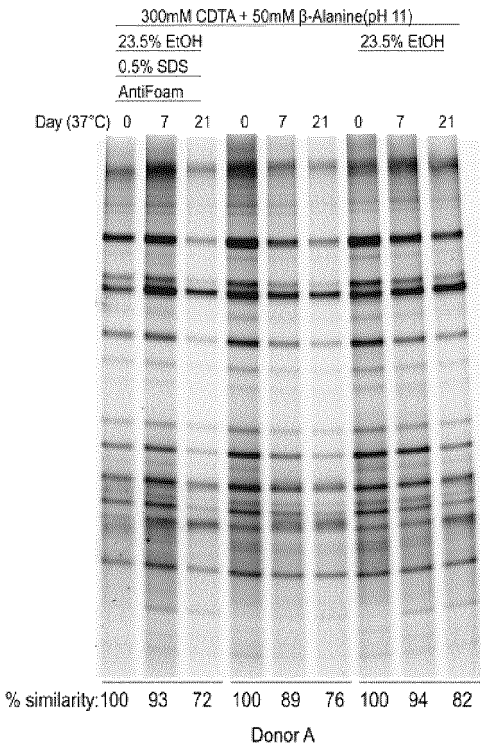

300mM CDTA + 50mM β-Alanine(pH 11)
23.5% EtOH
0.5% SDS
AntiFoam
23.5% EtOH
Day (37°C) 0 7 21 0 7 21 0 7 21
% similarity: 100 93 72 100 89 76 100 94 82
Donor A

Figure 12A

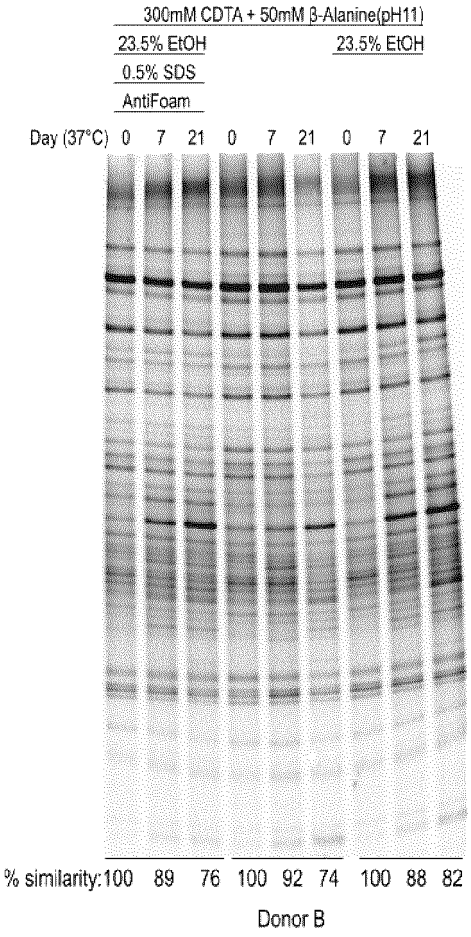

300mM CDTA + 50mM β-Alanine(pH11)
23.5% EtOH
23.5% EtOH
0.5% SDS
AntiFoam
Day (37°C) 0 7 21 0 7 21 0 7 21
% similarity: 100 89 76 100 92 74 100 88 82
Donor B

Figure 12B

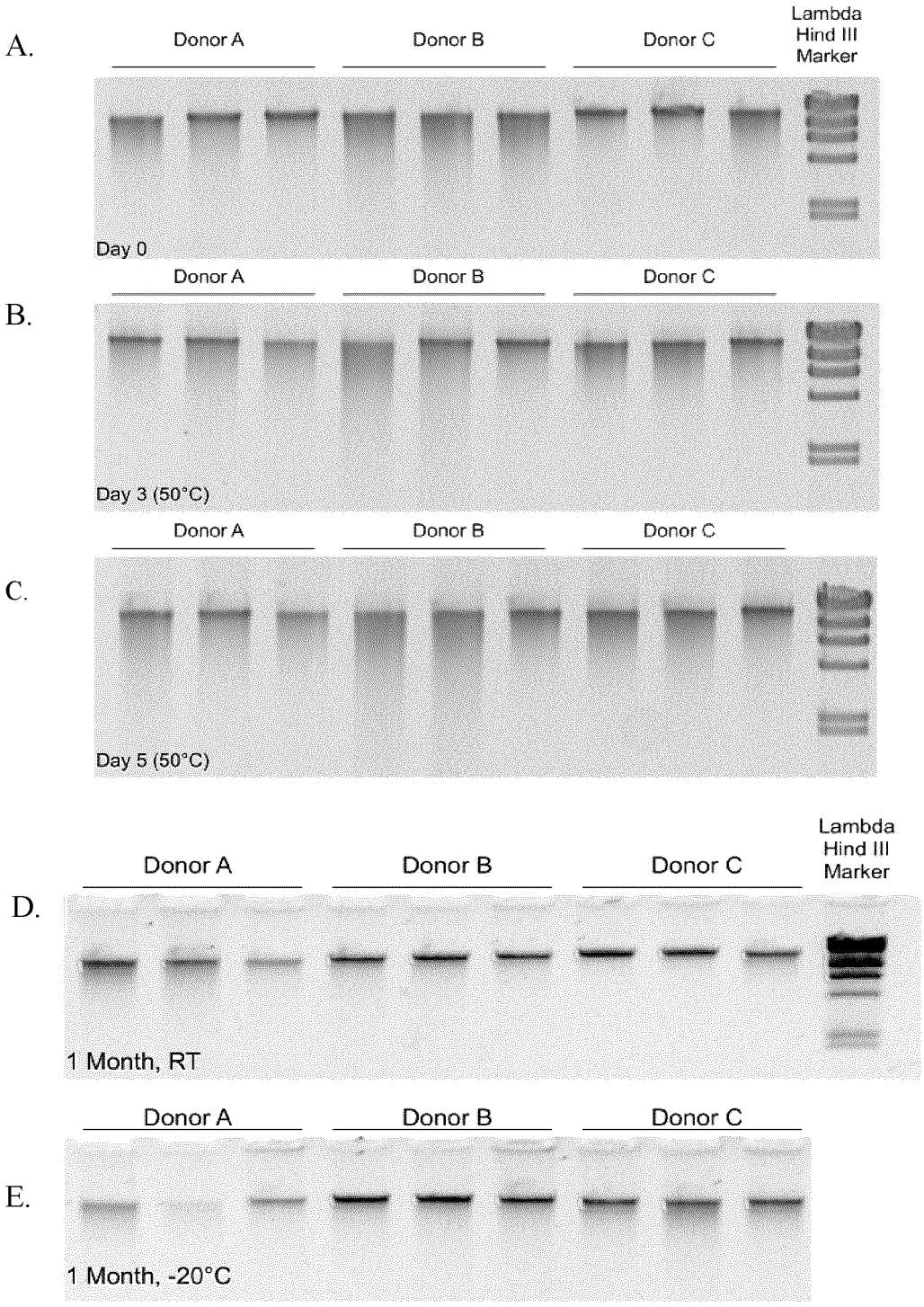

A.
Donor A
Donor B
Donor C
Lambda Hind III Marker
Day 0
B.
Donor A
Donor B
Donor C
Day 3 (50°C)
C.
Donor A
Donor B
Donor C
Day 5 (50°C)
D.
Donor A
Donor B
Donor C
Lambda Hind III Marker
1 Month, RT
E.
Donor A
Donor B
Donor C
1 Month, -20°C

Figure 13

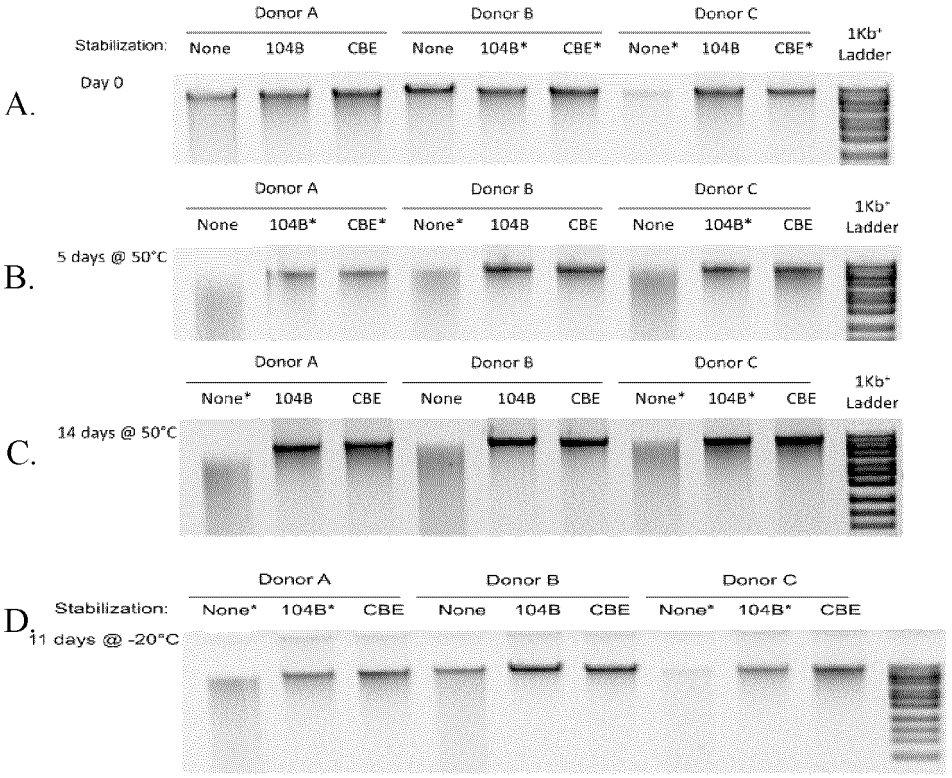

A.
Day 0
Stabilization:
Donor A
Donor B
Donor C
None
104B
CBE
None
104B*
CBE*
None*
104B
CBE*
1Kb+ Ladder
B.
5 days @ 50°C
Donor A
Donor B
Donor C
None
104B*
CBE*
None*
104B
CBE
None
104B*
CBE
1Kb+ Ladder
C.
14 days @ 50°C
Donor A
Donor B
Donor C
None*
104B
CBE
None
104B
CBE
None*
104B*
CBE
1Kb+ Ladder
D.
11 days @ -20°C
Stabilization:
Donor A
Donor B
Donor C
None*
104B*
CBE
None
104B
CBE
None*
104B*
CBE

Figure 14

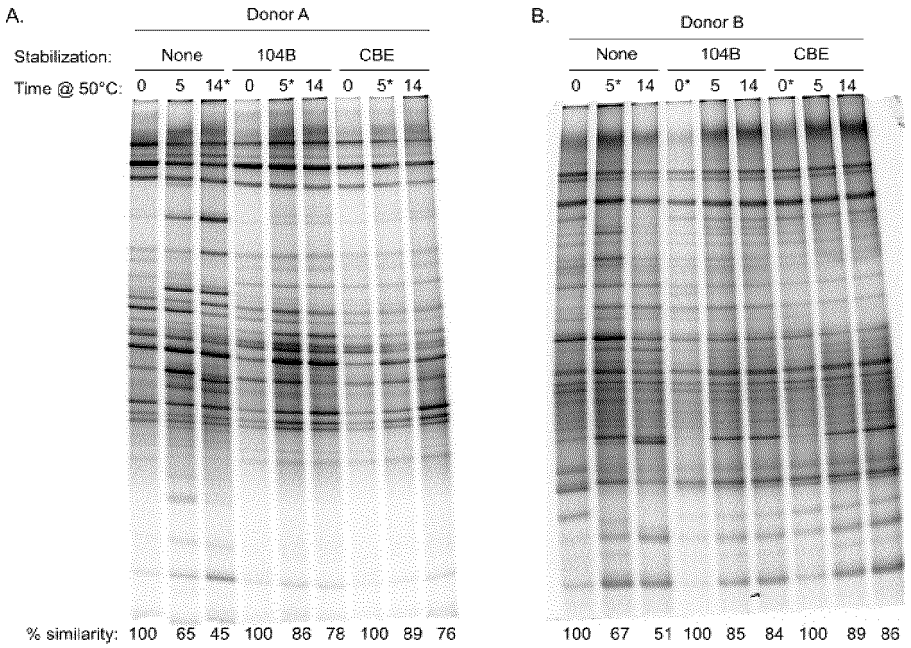

A.
Donor A
Stabilization:
None
104B
CBE
Time @ 50°C:
0 5 14* 0 5* 14 0 5* 14
% similarity:
100 65 45 100 86 78 100 89 76
B.
Donor B
None
104B
CBE
0 5* 14 0* 5 14 0* 5 14
100 67 51 100 85 84 100 89 86

Figure 15

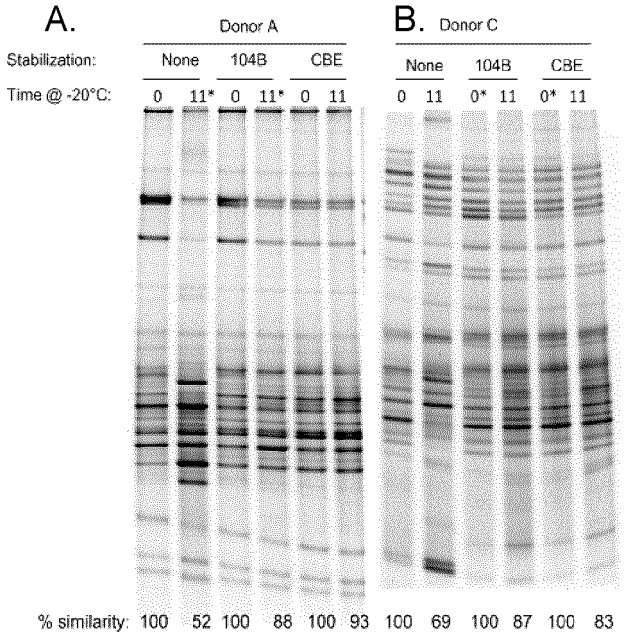


Figure 16

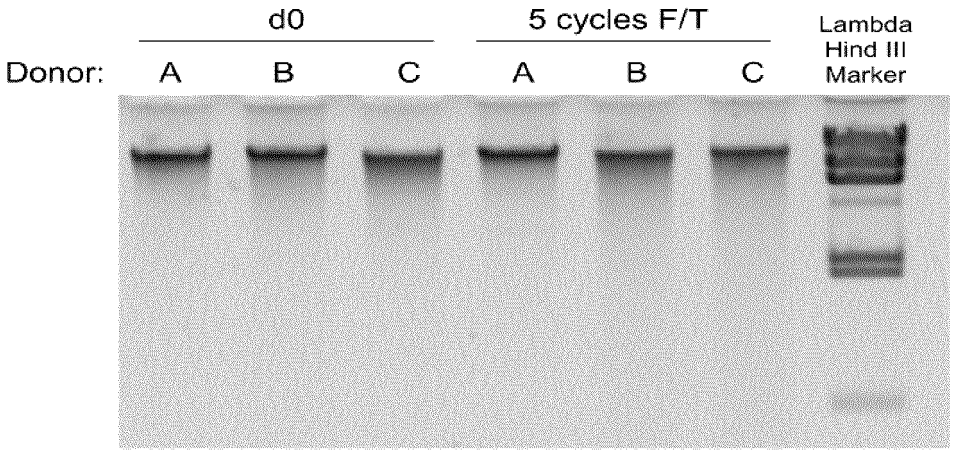


Figure 17

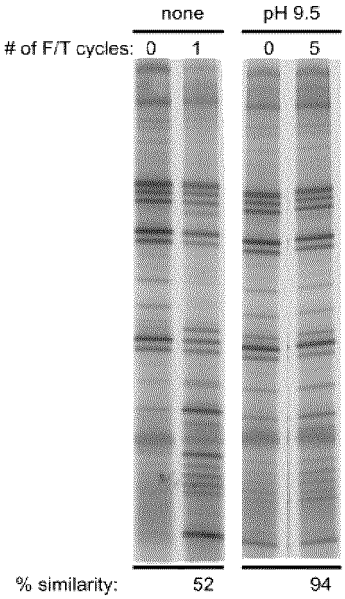


Figure 18

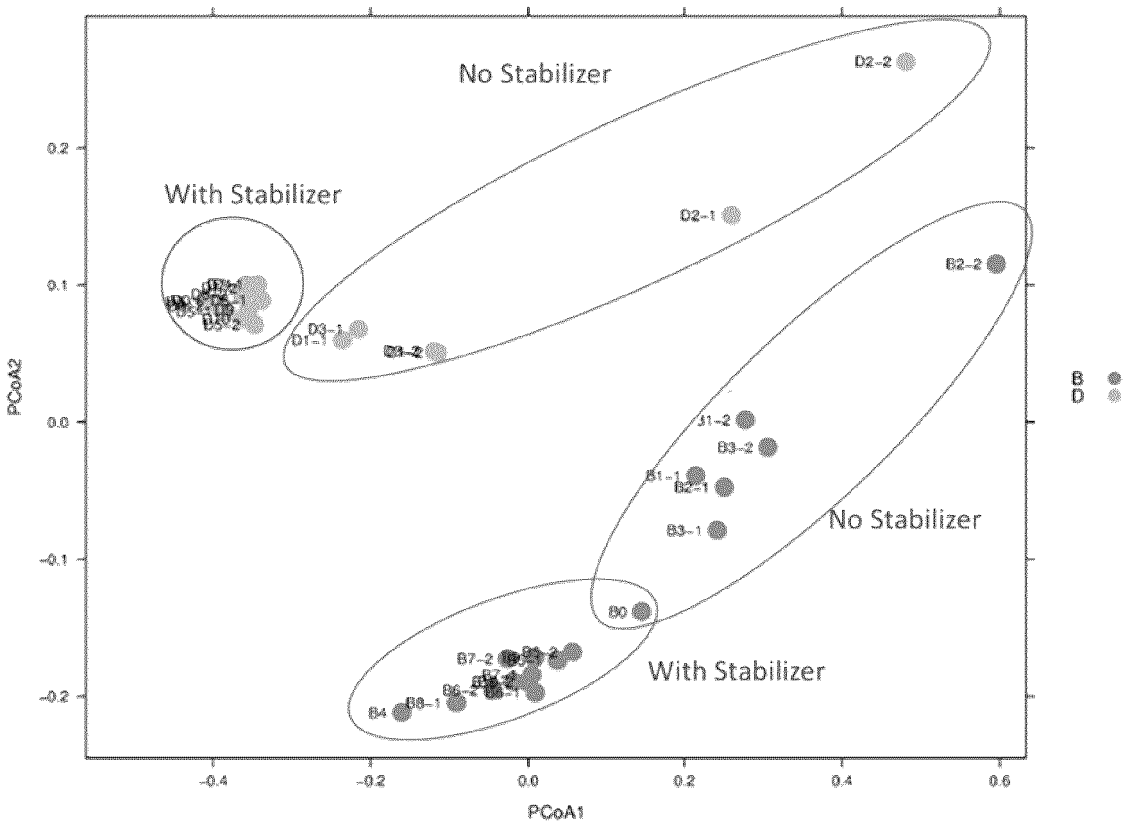
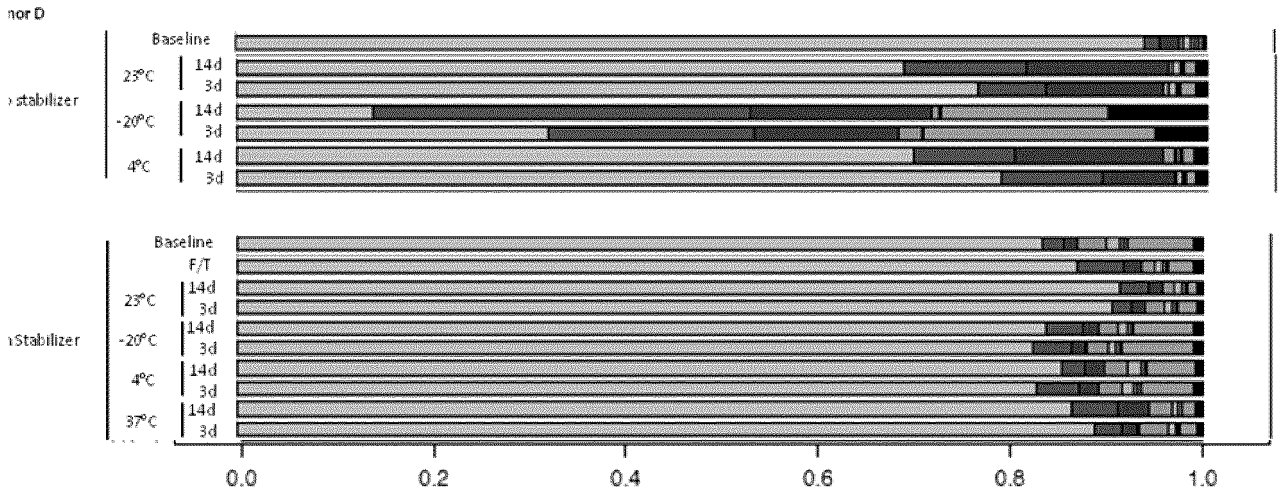


Figure 19



	Kingdom	Phylum	Class	Order	Family
	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae
	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae
	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae
	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae
	Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae
	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae
	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae
	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceaell
	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae

Figure 20

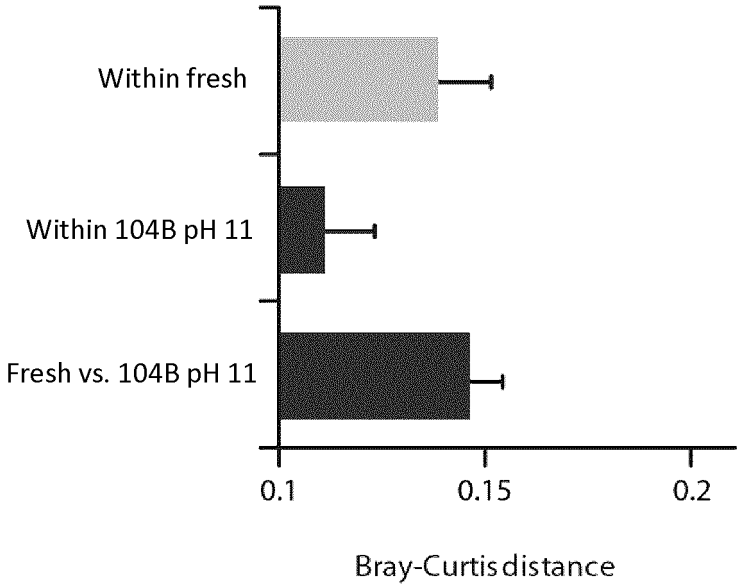


Figure 21

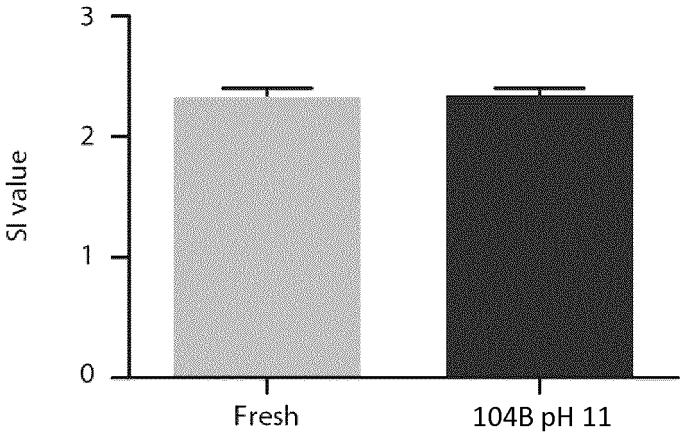


Figure 22

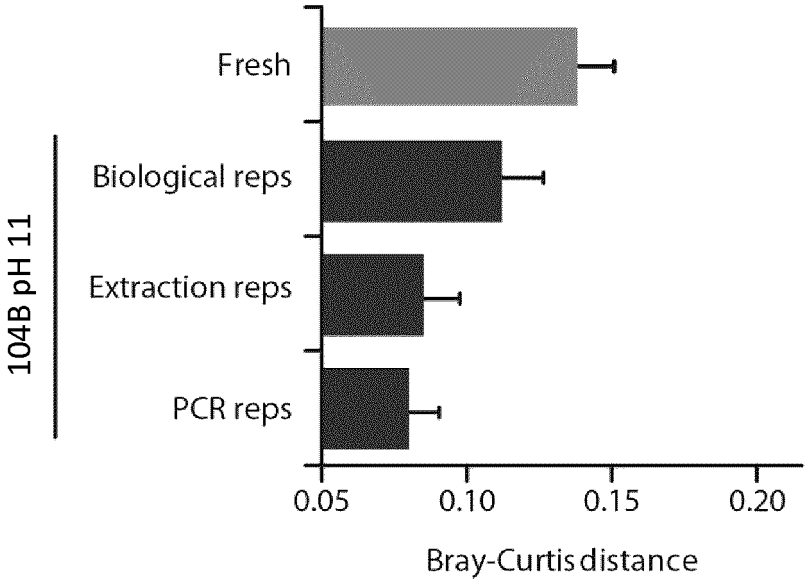


Figure 23

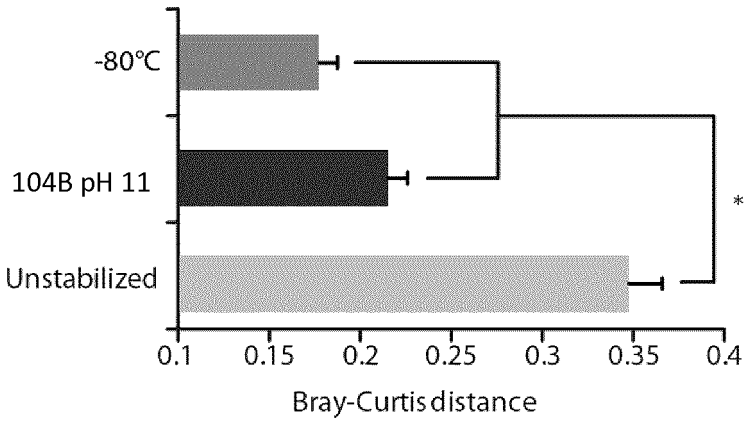


Figure 24

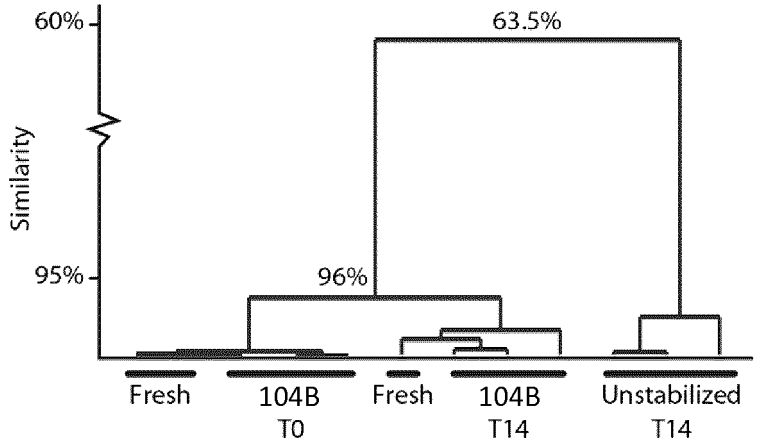


Figure 25

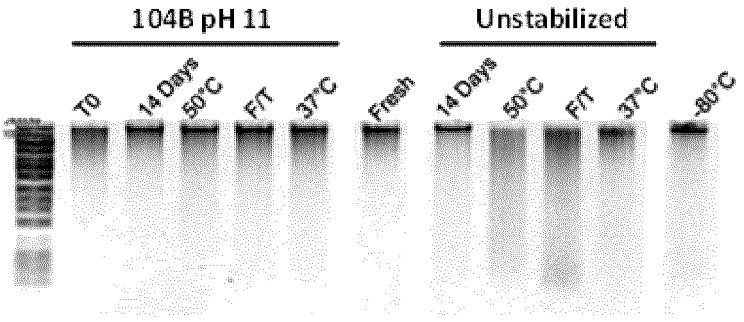


Figure 26

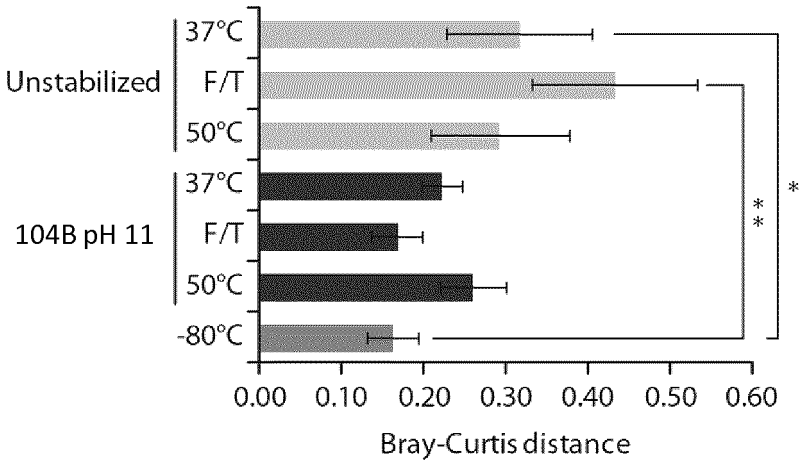

Unstabilized
104B pH 11
37°C
F/T
50°C
37°C
F/T
50°C
-80°C
**
*
0.00
0.10
0.20
0.30
0.40
0.50
0.60
Bray-Curtis distance

Figure 27

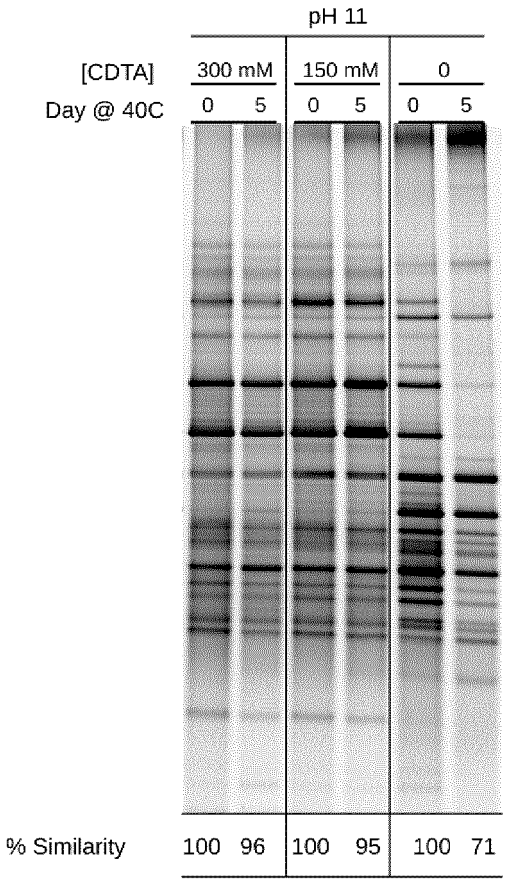

pH 11
[CDTA]
300 mM
150 mM
0
Day @ 40C
0
5
0
5
0
5
% Similarity
100
96
100
95
100
71

Figure 28

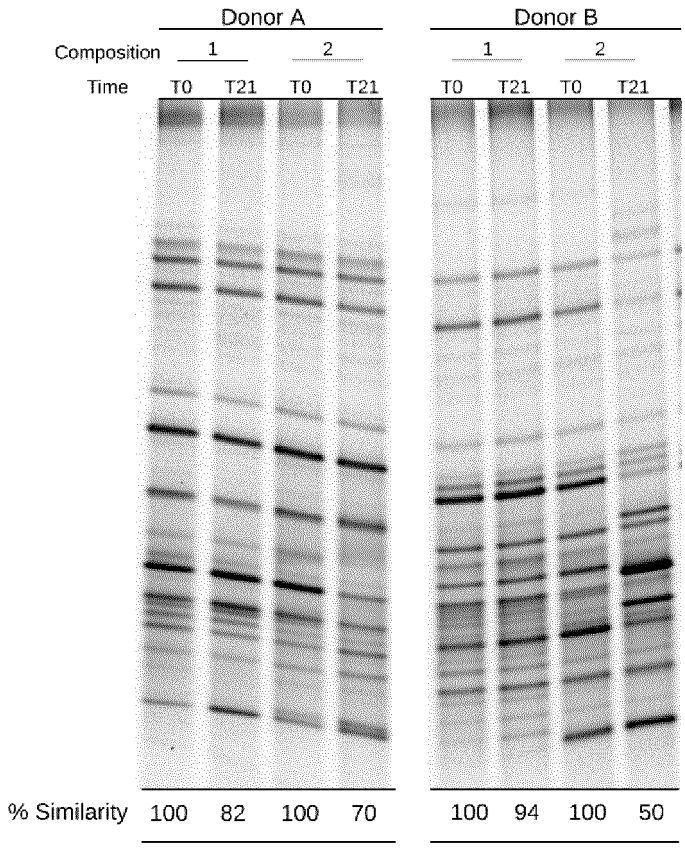

Donor A
Donor B
Composition
1
2
1
2
Time
T0
T21
T0
T21
T0
T21
T0
T21
% Similarity
100
82
100
70
100
94
100
50

Figure 29